

220

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(339)

<223> n = A,T,C or G

<400> 620

gggggggact	cncogtgett	gctctcgctg	cgcagcctct	ttttccacca	gctgtaggan	60
aagcccggaag	accactggtc	ccccgggtag	cccsagtaac	actggtcttc	ctggctctcg	120
acgctnccgg	tcttctctgt	ggcgtagact	gccagcttcg	gagacccctc	agccctctcc	180
cgtttttctc	caccocagga	ggcatcagt	agcgagctac	tgctctggcc	acaacctccc	240
agcangatag	cccgcggttt	ccactctgog	aaaggaggac	cgcenagccc	gaaatgcena	300
gccagcnat	cactgccacg	ccgagccnag	cgtctgtgc			339

<210> 621

<211> 267

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(267)

<223> n = A,T,C or G

<400> 621

ggggggcactg	gtccnnggta	gccasgtaca	tggtctctct	ggctctctgac	gctaagggtc	60
ttctctgttg	cgtagactgc	cagcttcgga	gaacccctcag	ccctctcccg	ctttctctca	120
cccagggagg	ccatcagtag	cgagctactg	ctcgggccac	aacctccccg	caggatngcc	180
cggcggtttcc	aatctgcgaa	aggaggaccc	ccnagccaga	aatgcenagc	cnagcgatca	240
ctgcacacgcc	nagccnagcg	ctcgtgc				267

<210> 622

<211> 847

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(847)

<223> n = A,T,C or G

<400> 622

cttngntgt	cgaatgaagt	catgcattgan	ttaaagccaga	ggtttggtga	aatttatgaa	60
aaatacaaaa	ttccgggttg	tcttgaggaa	gagccactac	ttgataactc	tacaagagga	120
acagatgtga	aggatattcc	ctttaatttg	acaaataaca	tacctggttg	tgaggagaaa	180
gatgcactctg	aaatatctgt	ctcagtggtc	ttcgagacat	ttcctgcaca	aaaagaaacc	240
agtcctaaaa	atctcatcca	tccatactat	cattccgtact	ctgggtccca	ggaacctgtt	300
tgccagtcat	cttctaagct	tcatttacat	gaaaataaat	tagactgcga	caatgataac	360
aaactaggca	ttggacatat	ttttagtaca	gataaccact	ttcataatga	tgcaagcact	420
agaaaagcaa	ggaacccaga	agtggttacg	gttgaaatga	agaaagacca	agagtttgat	480
ttgcaaaatga	caaaaaatat	gaccccaaat	agtgcacgtg	gcagtacaaa	taactataaa	540
agcctgaaac	ctaaattaga	aaatctgagt	tctttaccac	cagattctga	cagacatcca	600
ggaagtatat	ctacatgaag	aattacagca	agacatgcca	aaagttaag	aatgaggtca	660
acacattaga	anaagantc	ctgggctttg	agaaaagaaa	atgttccact	tcataagaaa	720
ggttgaaaaga	agaatgggag	agcccnagan	tttttgcccn	gaaattttcg	ggaacccctac	780
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aggggaat						847

221

<210> 623
 <211> 661
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(661)
 <223> n = A,T,C or G

<400> 623
 asaactgtac tggcgcgctg catgtcgaca ctagtggatc caaagaatcg gcaagagoga 60
 aaangctcan gcagcccgcc tggcgcgccg cgtctctccc cccaggaaag ccaangtggg 120
 ngctgatgtg gctgcangag ctggtttcac agccctccan gtgganctgg ttgggcgcgg 180
 gctgccangg ggggaagtgg gtgtccccc angtccagccc caagggtgac cctcacaaag 240
 cactgggtgt ttgctccac tggcaccttg ggtccgaac cgtctccct gctgtggang 300
 cccacgtgg gaatccaggt cccaggtgg actgctgac ttgacctac tggccactct 360
 gcccaactt cctgcttag anscgggaa ggggtgtgt cgttantgt gccacctgg 420
 atgtggcagc accgactgt ggggtggacc tggccttgc ggggtgcaaa gtgggggccc 480
 ngggaaaagc acctgaagt ggcctgaaaa atccccctt cattttnccc caatttgggg 540
 ctcaacaaa aggaattgc tgaagccaan ggtaccaagg tcacccctaa ggcaggggtg 600
 aaaaggtccc aaaattccaa tcccaccc tttgggttnc ctcttggaac ccggccccc 660
 tctctgaan ttttaaaaa n 661

<210> 624
 <211> 661
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(661)
 <223> n = A,T,C or G

<400> 624
 attggtotta ctgtaccacc ggggtggaat cgttggccgc ggcgtctaaa tatccgattt 60
 tttttttttt tctctttctg actgtccatg gacaaatgaa actaacttaa tctaaactaa 120
 aaacacaaet atatattgaa gattttetat ctgcactcaa ggacacttcc caencggttg 180
 ttgtacctt ttgggtctgt ctctgaacat gaattatc tcaagggtat ngatttctgg 240
 acctctatt cctgctatgg gtttgatatt tcttgggtc cagggccact gttgcatgg 300
 gntgacagnt acctctagc ccctanctc ctatcttggg aaacaaacct aacaaactag 360
 tgtaccttcc atagatctct gattgagtc cagtatnogg ttgctcatgg gcgattcact 420
 tgaatccgtt attggtgcca ncaatctga ctcatgggnn aatggatcct atcaagttcc 480
 cctgattngc aacccctgta tacatanatc taatgcata gaattatgcn tnggntatgc 540
 gggctacgc tatcagggat tgnaaactat ngcatggcta cgaanctga tcatgatcna 600
 ggtcatgga ctcttatcag ggggttggg ccgncttct ttttcnacc ttggtaaaaa 660
 c 661

<210> 625
 <211> 181
 <212> DNA
 <213> Homo sapien

<400> 625
 gcaacaatca gatcatgtta aagtaaatct ccattgccct ggatcacttc aggattttaa 60
 tgtccaagga gacgagggtt ctctgtgtaa aaaaagggtg ggaatgttt gsgagtaaaa 120
 aatacaaat tcaacgggtc gaaaatacac cactccatto agtgccttac cccataagc 180

222

c 181

<210> 526
 <211> 181
 <212> DNA
 <213> Homo sapien

<400> 526
 gcacaaatca gatcatgtta aagtaaatct ccattgacct ggatcacttc aggatttaat 60
 tgtccaagga gaggaggggt ctctctgtga aaaaagggtg ggaatgttt gagagtaaaa 120
 aatcaaaaat tcaacoggtc gaaaatacac cactccattc agtgctctac ccccataagc 180
 c 181

<210> 527
 <211> 813
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(813)
 <223> n = A,T,C or G

<400> 527
 accaagctgg agctcgcgcg cctgcaggtc gacactagtg gatccaaagt gaaogtgaag 60
 gtgagcagag gagaacttgc gatggcaag ttasaaacaa gaggagatga tggctcttgg 120
 gtggcaacgg atgttataaa aattctcttg tcttaagga gttactgcta tttgagtaat 180
 gtgccaattc cctacatagc ctctctatga gaaatgctat attccactt cacaacccag 240
 aacgtgcatt ttattttaca tttagaggag gacaaacaa ccagaaggca aaaactggg 300
 cattatittt tgcattcttc ttggaagag ttctgtttta actctgtctc agacagcaca 360
 caactactgg gaatatatct taatttcaaa tctgatgtgt gacatctggg aactcattta 420
 ttgctaataa agttttcaca ggaagcagca gtcaccagta gctcatctta tttttcagtt 480
 ggcaagtggt tgtttacatt ttattggcct gcctcggtgt ctcttatcac aggatattta 540
 attagaaaac gcaagtagcc taacatagaa nagaaatgga gtggtagata atagtagata 600
 gaattgctaa atatttttat tacagtgtat taatatcact gnaatttatg gttaaaaatt 660
 atgtataact caaaaggaat tctcagactg gcaaaacaga tggcaacag ctntcacagg 720
 gctttanct cctnttgagc tttccctctg ntggacttta gtcttcttt taencccgna 780
 gttccattn nttaccaatt gtnccgggaa ana 813

<210> 528
 <211> 646
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(646)
 <223> n = A,T,C or G

<400> 528
 ttgggggggn ggtgtctctt ttgggtggac tttttgggtc gtagggcccc aaggccgtta 60
 atcccgtaat aacggaagag gaagaagagt cagaagagtg ctctataag gatcggaag 120
 agactacatt agaggaataa agaaaaaaag cagaggagga agagtggtag aaggagtcag 180
 aagaaaccca cactgcgttc tgaacctgga gcttatcaa aaaggtctag ataaacgata 240
 gcgctctcga tatcgagctc aagaggttag tttagagact tctcgtctc gagagcgaaa 300
 tggagatctt cgaagagcat aagaagttaa agtctagagg gtgcttgagg agcgcgtgga 360
 aggattctgc ggagggaacc atcgacgtag agacttgaag gctactaag gtccacaga 420
 agcccggtc tttctccgaa tggtcggagc gtacagtatg cgaogtcgat cggcagacaa 480

223

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gctggcggtta gaactcgaagt gttcgggcga atcgacttat aatagtcgag cgtatgtaac 540
gtaggaaacac gaagagtagt cgaagagaaa cgttttagtga ggaagagat tagggaaaaa 600
ggagagggctt aataactaag acacttggag cctaggccaa cgcgaa 646

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<210> 629
 <211> 617
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(617)
 <223> n = A,T,C or G

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<400> 629
gccccccccc cccctctnng gtttatnngg acagaccac gtagtactct aaatcttctc 60
ctacgcggga caacggaccc tataccaatt cgsatcttgg acactccgac cgcgggattc 120
tcttcnnttt tgggtctccc ctttctgtcg gtaccctccc ctagtctgtc cctacacctt 180
cgtaccgtcg atatatagtc gcgcgggact agcctattta ggtgtcttag actcgttatt 240
gatacactca ttagtctagt actatgcgtc acgtatctta gttgcctaag agggagatta 300
aatctccac aagttccgac gaattccgtg actctcgtac tagcaacctt tcttatgagg 360
cttctctgta tatctctggt atgtttctcg tgtcccggtc ctccgctact actagagctc 420
cttgccttat ctctagaggt agaggactct cgggttcgtt ctccaaatct agcgtctagg 480
ctatcgctac ccgtctgatt cccccggcg aatcttgaaa cctgaggtag tacaccaacc 540
ctcncatct tccctcgggt gctctcttct etcatcccc ctcccgctt tctcgggaan 600
gaatctactt tancttc 617

```

<210> 630
 <211> 644
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(644)
 <223> n = A,T,C or G

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<400> 630
cnnctggent gggttttntt ctgaganncc ccccccccc cccccccaaa cttacaccca 60
ccaaacactt tccgccccct acctaggaga cattagsagg gtttagggtt cggcgtatag 120
taaagtccct taccctggaa gttagagaatt cggatattta attcagggtt agaggctcgc 180
tcgttagatt tatagtttag gtttagaatt cgaacacctc gatcttccct agaagggtaa 240
taagttaggc cctaactccg totaaccagc gcgttaaggt ccgtacctaa acctagtctt 300
atctcttate aggcgcacca atataggtag gttctacttt cgtataggcc tttaggaata 360
gttcggttagt tatcgaaggc actcctctct aggcctagggt tttctcagtc ttagtactcc 420
gggaccgtcg tccanaaaat atcgatggac ggttaggtat tccgcgttac gcgtcgggt 480
agggatatag agcgaattat cggcgagagg cggtcgctan gaatcgggat caatatgntg 540
ttctttaccc tacggtatct ggcagaaac ataaacctt ctnaccangg ataagggtat 600
atcgaccccc taaaataaac gtaacattta gantactagt accc 644

```

<210> 631
 <211> 526
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(526)

224

<223> n = A,T,C or G

<400> 631

centcggtt	gggtttttt	etgagcccc	cccccccc	cccccccc	ccccccggg	60
cccatagccc	caccggcccc	acccaaattt	taacaaaata	aatntaccta	tcgntcacct	120
atccnccgta	tcngtaggt	cggtacoggt	acccgggata	nenacgattt	ttcgggtcgt	180
cnccttaan	acggnccegt	agccnccgga	anaaatacta	cgagngactc	taatttagca	240
anacccggcg	tcnattanta	gcatacttag	tcttcaatg	nccgggattt	ngaattcctt	300
naagttatcg	ggtagaacgg	gtcccggtcc	cccgccctct	tttcaattaa	cgcggggtac	360
aaantcggtt	tctaaattcc	ncacgaattt	ngnccggcac	attcnccggg	ccttattanc	420
catttccaac	cccgatacnc	naactogata	gggttttanc	gaatccgggg	tcnccccoga	480
ngantccggg	tcctttgagt	ngctctagga	cggttacgac	ggagga		526

<210> 632

<211> 647

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

<222> (1) ... (647)

<223> n = A,T,C or G

<400> 632

tttggggggc	ggngctcat	ttgggtggac	ttttgggtc	gtaggaaact	ggtatgaggg	60
gtgttttgag	tttctcttc	gtctctctg	ggagggtccg	tttcgattga	gattcgggtt	120
cgtctttatc	ttacgaggca	ccctgatatt	gttgcgcttt	ggtttggttg	tcgagagttt	180
tgtctacttc	tagcgggtca	tcgggatgat	atgtagccctg	cgtggcctga	tagtgatgtt	240
gtgagcttga	gagggggagt	gtgggtgttg	cgggcggagt	aggaggggtt	ggagcaccgg	300
gattggggaga	tatagaatca	taagtgttag	gtataggtcg	attgagcgag	ttcgtggagt	360
tcgtgtggtc	atcataatta	gagtgaggat	gggtctctata	tttcttagag	gacgcacggg	420
cgtgattcgg	ggtttgatgg	gtgttcttct	tgtgggcacg	attagcttgt	tcattgatgt	480
aaggaccata	ctgtttcgaa	tgaggattcg	tgtcttggga	ttgttgtgga	tattgtggnc	540
tanaactattt	agtgtaaagc	ggagggtggt	tgcctgtgtg	gagtatccga	anttcattcg	600
ganggtatgc	gtcggggagc	gtccttctag	acattccgga	aaaatgg		647

<210> 633

<211> 630

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

<222> (1) ... (630)

<223> n = A,T,C or G

<400> 633

tccttcggct	tgggtttttt	tctgaccccc	cccccccc	ccccctcgga	aggcctctag	60
gtccccccc	gtctctctaa	tcttcaggaa	cggatccacc	caaccaaact	actaatgtcc	120
tacagtaaac	acccgagaa	ataaacccac	acctaggcc	caatccctac	caggggaagca	180
agaagccgta	gtctagcgta	ttacgaaccc	gagatagaga	cggagatact	tagttttatt	240
ctctcggga	aggaagagcg	actggggagg	gaatatagcc	tagcgggggg	ataggggcta	300
tggcggatat	ggggggcggg	cgtctcttta	ttcttctata	ccacgtcaat	aggaatgtag	360
atatacctag	atgttcccg	agaaagagac	gttagaggto	tcggaagcta	tanaaggagag	420
gcgcgaagaa	acttcgtact	ctagctttat	ataggttagto	gctctagctc	cataagcgac	480
gagagatcta	ctagatttcc	gtatcccggt	cgtatgtatt	cgaatatagto	ttcttccct	540
ttcgtatctc	ctctctatac	tacatggnga	ttatagtent	aagtagtca	ggatattagg	600
atattagtta	tatgacgttc	gacgggacgg				636

225

<210> 634
 <211> 647
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)... (647)
 <223> n = A,T,C or G

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<400> 634
ccttcgggtt ggggtttttt ctgacccccc cccccccccc cctccactaa gaacttaacc      60
cacccctata gtttactcgt ataggggaat ctagggagaaa taggaacgaa gagcgggtga      120
taaagagaaa gtactttcct ttatatgtta agagcttagc gtaatgacit tegtatatg      180
gctagttagt tttatccggc gttatagggc ttagttctgg ttatctcggg totaattccc      240
ttagtatgct cgggagttta acgaggtcac gggatagcgc gtaccctttc taaggttcct      300
ggaaagctat tegtatttta tgcgatttct ctaggtcgaa aggatcaagg atcttcctt      360
ttactacccct agtcgggtta ggggtcggtc aaaaactagt tagtaccttt acctctcga      420
aagttatagt cgaacacacg tattagtcca aattatagcg gatagatcga gaaggttcct      480
tctcgggttc tcagccggta atccctctat ttgggggtct tctccctctt cccctttgtc      540
ttcgcctta gcttcacagg ttctcggaa gggaggggtt ctacttaagt cgnatagcgt      600
ccttataaac cncctacagg cagacccctt tgtaaacggc tgggggt      647

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<210> 635
 <211> 645
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)... (645)
 <223> n = A,T,C or G

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<400> 635
ccttcgggtt ggggtttttt ctgagccccc cccccccccc cccgaaactc gccttaccct      60
agatacccaa agaatagttc caetcaactt cgtctaaagta aaactctaga acttccaaac      120
ataaaagact tcgcgcgggt agctacacag cctacgggaa tctcacgaat ccgattcaa      180
gtcccctctc cgcacacacn cgggtatcgt cgttttccca taaccaatgt gaaaaataaa      240
ataaaatcca gtcaagcccc accgttagcg ggggtagggc taggcgaaga ggcaggancc      300
gttcgaggcc gggggctttc aaaaatacaa acaactactt aaagtttacc ccttctaag      360
tcggggggcaa cgggttaaac acgcctctaa agtactactc gtttcgagaa ggggtagtca      420
tctcgcgcct agagactctc ggttatatca actcgcctcg cttctagcat tcgacggtc      480
gcgcgcggct acatatcttg cggattagct cccaggggact ataggggtta ttagtctagt      540
aaattctctt agaggatagt cggggtcgtt gttaggcagt acgaggggac atggnetgcy      600
tcgtgtctta ccttgacagc atactcttat aaacatcttt ttcct      645

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<210> 636
 <211> 643
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)... (643)
 <223> n = A,T,C or G

<400> 636

226

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cttctgggctt ggggtttttt ctgaccccc ccccccccc cctagcggaa aacaatcccc 60
accgagattt tattaatcgt aaactcgcg ttcggtaaca agtcttctc cttcccgtaa 120
cttggctccc tctagnggc ttacgaaag tccctcctct tcttacggt cggaggtggt 180
tacggtttaa tccggaggng gggctaaca atccaaggct aactcctctt anagtttgtt 240
gtccnncgt ttagtaagga tccgtggagg gcgagtattt gncccccggc ctttattnta 300
tagttcccta gtacgataaa gntacgggt atcctattac agcggataaa agttatttan 360
agggccgacg tcnccgctag acaggctaca gctagnggag gtaccgcctc cgaactantc 420
gttgnttccg acaaggnggt ttcggttaac tccacaaact cctccgcgca ctctanggtg 480
gggaacggcg tccnncggt tagtgtcgt tatagagag ggcatttgag ttggacgtta 540
cmttttaaca taggttatte cgtttaggtt cttgggggac cgtgggggta gtacnccggc 600
gogttnttat cggcgatttt ccgcagtttc cgtttccggg tnt 643

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<210> 637

<211> 631

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)... (631)

<223> n = A,T,C or G

<400> 637

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gggttntctc atttgggtgg acttttttgg tcttaggaac cggtatgnag gactaggagt 60
cgctgggaag actagaggtt agctaaggac gattagtgtg attccactct taataacgag 120
taatcgttta cgtcgggttg gtgtttcggg gttttggaga gtaagcgtag ttgtggagtt 180
tcgcatatag gtccctttac ttccggcgtc tegtctcttg tgggttaggt tattattgtt 240
cactcttctc attagtagta gggttggtcg gataaactga tagctattct ttagaattcg 300
tagtgggaga attcgtgtac gaagtccttc aagttcttta agttccgag taagacgtgt 360
acggttattt tctgtctgac gtagggtgtg tttaacggag ttctgtttta ggggtttacg 420
tagaacgtta ttaagcacgg taatacgata gaggattacg cgcagttatt gtcttagaac 480
gtcgaatttt cgaaggcgca ttgtttatcg aaggggagtc ctggagaaat cgaatatttc 540
caagaaattt acggagatta cagatcggaa ggcctccgag atcggacgta ttaccggtct 600
cgcccgaaac gactaggtat cttccggata a 631

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<210> 638

<211> 606

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)... (606)

<223> n = A,T,C or G

<400> 638

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ccccccccc ctcaaccate nattccccac ctcaacgaga attacgggtt cgaaggtcga 60
caataagttc ggtcagtag agggaaatcag ggcctggtan aaaggaccac gggcggaaaa 120
taccggtctc cttccgggga gcgacgtcgg ggaaggggaa gagagcggtc tagttcgtag 180
gcacacaggt cagaagaggt aaggttaaa gtcggagggg agaggatagc tagtaogctt 240
agttcggggc tccgggcgag ggcacatttc ctcttttcgg ttccctttact ctgcttaaga 300
gttcagggtc cggagttcgg cgcgggaggt cgtccgcagc ctaggaatgg ggactcgcctc 360
agtcccgggt tatccttcgg gattctatgt ttccgcgat agacggagac cgggttagtag 420
ggttcggtcg taccgcaact cgtccgcttg atccggcccg ctccgcttaa ggcgatgaa 480
agattaggtt ttagggctct acgggacgag gcattagggg ggagaagggg ggaggggtcg 540
ggggtcgag ggantaagaa atcgcaatcg cgcggggtcg gtagganccg aaatttttct 600
cnnctg 606

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227

<210> 639
 <211> 592
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(592)
 <223> n = A,T,C or G

```

<400> 639
tcnctcggtc tgggtttttt tctgagcccc ccccccccc cccccgggaa cagagaaaaca      60
atccacccct acccggggga gtgggttgaa cgttagttc tagaatcctc ggaatcgtec      120
tcggggttg gtatgtccg cgttcggag tatgcgaag tgtatcgctc cgtctagagg      180
ttgggtatctg ttatgtccg tgacgctatt gactgggatg ctttcgaagt agggggatag      240
gagcatagat accctccgc ggtgtctct gaagtggccg catccgtgga cgcagcgtag      300
acagctctgg tggacgataa cggcttctcg tactctact cgggtatta tgttagagag      360
gaattgtttc tgaacggata taccattage gaagggtac cctccgtaa cgcaggcgtt      420
tctaacagtt cttccgggcy ctccgaattt agattgagc ctccgcagca ttgtgggata      480
ctcttcggtt agcctcttt ataggatttc tctccgcc cgaagagagg ctggtcgtec      540
ccggcangta tgtctagctc gaacgcttg ttactcttt gttttcgaaa na      592
  
```

<210> 640
 <211> 637
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(637)
 <223> n = A,T,C or G

```

<400> 640
ctttgtggcg gtggntgtct cttttgggtg gactttttg gtcttaggtt tatccgggtc      60
gggctcccca agtagattag gctgcgggc tagttccgg cccgcccgtc gaaagcgccg      120
ttcggcgggc gggcccggtc tggttcgcg gctttacct catagagtgc caggtctcgg      180
ttcttaacgg ttctgcggcg atagatttta cggcgagagg tgggtatctt cgcgccttta      240
cgttcggtcg gcatctacgc ctagtcca ggtagttat gcgcgggagc gctgaacgga      300
gaggttatatc gggacgggga agaacggcct ccaaatgact agtacaggct cgttcggcg      360
tagatctcct cgtcgggtcg ggggttctta cttctagggc cgtctacgg ttttagggcg      420
tcgttagate ttgaaacta tactcaagtt tcagtoggaa gaaaggaaat agagagaaag      480
gtaaacgatt acctccggtt ctagcccttt ttactcgcat aacgggagaa cggggtcgg      540
ctctcagata cgcctcgcca gcgtcgcca ttcaacttta acctccgcta gggcatcgt      600
atacggttac cggggtaaaa ggcacctcg aaactc      637
  
```

<210> 641
 <211> 649
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(649)
 <223> n = A,T,C or G

```

<400> 641
ctntgtggcg gtgggtgtct cgtttgggtt ggatttttg gtctaggna acctgggatg      60
aggtctagtt tcttaacga ttcttggttc agttacgga cctatcctt atcttaaat      120
  
```

228

```

gtttttetaca tcaggttcat caattaatat atcaattaca cattaacgac ggtgtgacgc 180
aatatgagaa agtatacatt aaggttatta tatattatc gcttasaasg gttcttgaca 240
tgggacaact tcaccacca ttctagaage cccctctct gtaggacccc ctgaggttcc 300
ccattatctt agttcagttt tcatttttta accaggaggg tatcggtttt taataggtac 360
tattttgtca aacttttcag aagctttate ttcaaatata cttgcacct ctgtactagg 420
agacctaact attcgagctt attacagctc aacagaaaaa aattgaaatt aaacaaacta 480
agtatcgctc accataaacc catcgggctc tcaccccatc tcttcataag ttctagagca 540
tcctgagctc tttctatta ccttgatgg tactcatggt ctataccccc ccgcagttat 600
aggctcttat ggatcctatg ctaccacggg tctaactcct tctatcacn 660

```

<210> 642

<211> 645

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(645)

<223> n = A,T,C or G

<400> 642

```

tccttcggtt tgggtttttt ttctgcggg gttactatta tcgattgta cttgtaaagg 60
cgatactccc accgctcacg atattagacc tgcctctcta gaagcgaaag gcgataggtc 120
tactcgcccg gcgaaagacg cgaacgggta ggaggagcca tatgcaacc taaaggagat 180
tataagtaact gggaaaaata ctagtattaa ggtacggggt taagataggt ggagagacac 240
tattcacgag cataagcaact tagaaggctt tctcgaggag aggtaggcta cggactacgt 300
tcctttcttc tctagcctcg agaggagta tagatgatc gcaaaagaga atcctctcta 360
taccgtggca taactagacg accgctcgtc gggaaatctc gcaaaccta ttgcgacctc 420
caaaaggaag attgtcggtt catagaaacc taatactcgg ggtcttcccg aatcatagcc 480
gcatactggg aagaagacgg taatatcgcg cgaattctaa aagattctgt agacttaagg 540
ctaagcacta gaagcgatct cgaattccga tcttaagatc atactaatag ttcggtcaca 600
ccagacgacg attagccact agaagcccta ctccgtngaa accgg 660

```

<210> 643

<211> 586

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(586)

<223> n = A,T,C or G

<400> 643

```

ctttgtggcg ggggtgtctc atttgggttg atttttgggt cgtaggaaac tggtatgcag 60
ggtcgcgccg gaattaaaag cgggatcccc aasacgnngn ttgcagagaa gagaagaatc 120
atagcgatag anctttcata gtacaaaggt aactaaagag aacataatgc agattcagaa 180
ctagttgcca aattagaact cgattagccc aaggatccga gcttggecct atcacttcgg 240
gaactaaagt acggtagagc agtcggtcct gaagcstagg tccgtagga cgtaggaaac 300
tagtcggcca cggaggacat actctcgagt ctcgaaagct ctatttagaa tataaacgca 360
ttaacctcag aaggcgccga cgcggttact ctctagggaa ctatttcatt ccttcggag 420
ctccctatt tttccaccac atataccggc aagggsaaat cttntgtcct cggcttaag 480
agagggaaaa aaacgatat ctagggttcg gtttatccat ttaaaaaaat ngacgcgact 540
actcccttto aaaggaggtt tccccttagg nagagttcaa ongaag 586

```

<210> 644

<211> 646

<212> DNA

229

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(646)

<223> n = A,T,C or G

<400> 644

```

ctttgtggcg gtggttgtct catttgggtg gcattttttg gtctaggaa cctggtatcg      60
agggctatct gaattgttcc tcaaatccca tggatatggt ggtggcggtc ggggtggcgg      120
tcggttcggc ggggttgggg gtctctctcc aaaggagttg ctaggagggt tttagtgttt      180
ttagggtcgg aaggggttag agcggagaga cgtcgtcgtg gaagcttctg gcggagcgcg      240
agaaggtagt tagcgccggt tcggaagatt ctcaaatcc gagaagaggt agtggggcgc      300
ggagagagag tttctaatgc taaacgtaga ggtcgtctca gtccggcgcg gagttagctt      360
taagctagag gtccaggctc tcgttttagc tccgggctct tcgggcagta tccctcttct      420
cgagggaacg agcagccgac gtcttagccg gaccggtcta tccgtacgtt tagagatacg      480
ctcacctcca cgggcgtata tcccgtata cgtataaacg cgtaatatac tcgcgcgtaa      540
aacacgtata cactatatac acgcctcgta cggaccgtat agcgttatat gcgcgcgtat      600
attaatttac acttatatac gegttaaacac gatatatcac acnccg              646

```

<210> 645

<211> 654

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(654)

<223> n = A,T,C or G

<400> 645

```

nccntcggtc tgggtttttt tctgagcccc cccccccccc ccccccgtcg acaacgtgcc      60
caccgttgcc atcccgcat agctggctcg ttctgtttta ttcttagtag tttagtctgc      120
ctatagtcac ttctctatcg tctatcattt aaggagcgcg ggtcgtctct ttaggggcgg      180
tatcttaggt ttctcttctg tttcggctgc cgtctcggag tctggctctt ttgctttcct      240
ttcttggtcg aacttcgtgt ttgctcgcgt tgtttctttg ggtcgtctat acctaaaggg      300
cacttcgcca acaaacaggt ttgtgttagc gtttctatta gggttcgtcg gccggcgctc      360
ttactgggtg gcatttttta acgcttttgg ttttaatttg cttctctccc tagggctcgc      420
tcggctctct ctctgttcgc tgcctctcgc cggcctttgg tcgggggata gctccggcta      480
ttancttgcc gtgtccgtgt ggnntttgtc caatgtgaag gcctaggggc gccggcttct      540
ttggccatgg ntccctctct tctgancctt aggggttaac antcgttaatt aaaggtcggg      600
ggttggnata cgttatangg gangcctgng tccgtatctc cttgttttgg cctn              654

```

<210> 646

<211> 645

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(645)

<223> n = A,T,C or G

<400> 646

```

tccttcgggt tgggtttttt tctgagcccc cccccccccc cccccacgcc aagtacacag      60
accacacaaa acaacgtcca acacaacttc ggttatagcg accttaagag agaccocgta      120
gtagacccta ccacagccat ccaatagcca acaacaaggg gcgcacccaa tccatcccta      180
gagctatcaa acaacggagg ggaagggaaa gagcaggggc aacttagcac agatcgaaat      240

```

230

```

eggcactaat tcttttcaag tactegctcg gcttgtagtt cggggtaaag tccgctctca 300
aagggccaac gaggttttaa agcgaccccc gtatcgagtc ttcttctgtat tcatttaaggg 360
gttaaaggta cggagacctag aagagagtag aattagccca ccaaatcgcc taaccgggca 420
aaaacgacca aaagtcaasg acccttacia atatacactt aaacggccaa ccccaaaaaa 480
gggatcagta acgcaogtac ctttccscg cttttctttc ttctactctc caaaacaaac 540
cogaatattt agcgcaaaaa atatacaggg gagaattaga agctattacc cgaaaaaaaa 600
nccganangg antaatngt ggggaatana cgtttggttt ttctg 645

```

<210> 647

<211> 753

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(753)

<223> n = A,T,C or G

<400> 647

```

acctacctg gtaccgggac cccctcgag ttttttttt tccaaataca actcagattg 60
tatagcaaaa gctgatasta cattgacttt tctgttttaa atcccttgag cctttgataa 120
tgattttttt tgtgttaaca attgtagtat ataaaatcgg attcaccate cttctgatgc 180
catattgatt agtttgattt tatygtgatg ggatcattgt gtgttaactg tattaagag 240
aaatggattt gattgaactt gcatccattt ttatctgtgt tactttcatg ttttatttaa 300
aagcatttct ggaccagaat aagttaagtg gtataatttg ctttttacac gtttatataa 360
ttgaagttag caatgtggca aaatctctaa tggaaataaa atgcttcaga atgatgacat 420
aaatctgagc tatttcttgc ctggagaaca agtgttattc ataataattt aatagcttct 480
gaggtgtttt gttcatgtga tgaaggotta tccaccttgt atcaattcat gggctctget 540
ttgtttaatg tagtcagggt gtttaataca gacttaagag tcttctact gtgataagt 600
gtgagtgaag attacatgtc ttangaaat tatactggga atatctctga cattaatggg 660
tttaaatgtt ttaaggctag gggatgatgc aatgganaaa atncttccaa angtttctgg 720
ttgtttatat ttnggaagn catnaagana cgg 753

```

<210> 648

<211> 383

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(383)

<223> n = A,T,C or G

<400> 648

```

gatatcccg ggaaatgcgg aggcctttng gcttaactgt ttaccggcta gggcaaaagcc 60
ttgncasatt ccgggccagc ggagcgggca gggtagggac tcacgggaag ttaaacagcc 120
tcgtcggcgt cctcgagggt ccaaaaaccag gttctaggcg gggacgactg cagccgttat 180
ggaggcacc cgggtacagg ccggggctga ggcctcccca ggtggagcgg tggcctggag 240
gggaactctt atcctgggac agccacctgt caagaggagg cggagcgtca tgcctctgga 300
agactggatg aatattctcc aggagcctga cgaaggcgaa gaagtctttg cagagggaat 360
tgaatgctgt ctgatctac aat 383

```

<210> 649

<211> 349

<212> DNA

<213> Homo sapien

<220>

231

<221> misc_feature
 <222> (1)...(349)
 <223> n = A,T,C or G

<400> 649
 cgattgtnta cnagctcttag agtaagctta agntcgtac cgagctcgga tccactagtc 60
 cagtgtgggt ggaattccat tgtgttgggt cactagtaa tggatttagc tagacanagg 120
 anatttaccc tattccattt agcacagtga gganaggcta nacagctagg atgcaataaa 180
 aaaaatttta atgagaaatg tgtgtggtag attaatctta ttaactcaca gttatagatt 240
 aaaaatttta agtaacccat aatgcacatt tgcctttggt aangtacat ttttatgaan 300
 aangeccntg catacnaat ganatactgg actttnggna cttgangga 349

<210> 650
 <211> 306
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(306)
 <223> n = A,T,C or G

<400> 650
 cattgtgttg ggagcatcct tccatcagct cccatgagaa attctctgtt gggtttaagc 60
 aatccccaaa tatatcatat tgacatgaat atatcatctc ctcaatgtcc agcattagca 120
 gacaagatga gtgctgaaga tgatataact cctacctctt atgtaggcta gaggtaaagt 180
 ctggctctgc tgactgtggg gacataccga aaaggaaagt gggtaatat cagangacct 240
 cctgcagat ccganantca gggnetggac tttctgggan aggaagcnaa aagttatntc 300
 tgaacc 306

<210> 651
 <211> 769
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(769)
 <223> n = A,T,C or G

<400> 651
 cattgtgttg ggcagggtca tttctaagga atgggctgga agcttttatt taasacttta 60
 catgtcttag aagcactctg gttgttgcta ggcagacaat tttacatctc ttgtatatac 120
 agttgcatga agttcatcat gcatattggc tgtggaaaac cttaacagca tcatgtcata 180
 aggttttcagt aaggttttaa tgaatctctg tattaaagca ttagtatagt gcaccttasa 240
 tgttagcttc aaaaacaatga caacctaaat aatgttgaaa gaagcttggt tttgtaaatt 300
 atgtcttatt gaasgatgtc atcaaatcct gttatttcta atcccttasa gtctctcaat 360
 gtatttcttt ttgcacatct caatgacagg accttagttt aagccagtgg ttctctcaac 420
 ttctaataca gataacctg ggtgtcccca agaccttttc agagcatcct tgatgtcaca 480
 accattttca taataatatt aaaaatttat ttgtctattg tactcttatt ctctcccaaa 540
 tattcagcga gttttccaga agctatataa catgtggtaa catcttatca ctctgacgat 600
 taatagaata tgggnttttg gattcttgng tttaaaattt totcacttgg gggttctaat 660
 atggnnaaga ttaatagata tggmtccat gaccagangy ctttaagca ntcaataatt 720
 ttttaagagac taagnaactat cttttaagga tngngaacto catcttaat 769

<210> 652
 <211> 267
 <212> DNA

232

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(267)

<223> n = A,T,C or G

<400> 652

nnangccctt	taaccattgn	ggctccacg	cantggggg	cgctctacaa	ctagnggac	60
cgcnacteta	gnanaangat	tggctcttnt	gggntggggc	ggscgggctg	ggcggttaag	120
cggggctggg	cgcgcgccgn	ggttgacna	ggcgccggcg	ccnccacacn	cccgagacac	180
cctenttgcg	gcctntcccc	gctcaccccg	cgcgcgccgn	tcgctttttt	ccnccacacn	240
agcctatntt	atctatgtct	cctccgg				267

<210> 653

<211> 501

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 653

cccttnacc	cattgetgga	ctccacccgg	gtggcgggcg	ctctanaact	agtgggaccc	60
ttncsatgag	atggcgagag	gaggacnnat	ttgctatnet	ggatggggct	gancctntta	120
gctnctctag	cancagatgg	gttatcgagg	aagatgactc	caangggcta	nantcctatg	180
cncatcctaa	aannccactg	ctgtnttcag	agtaacggac	acatcatenc	tnatgcattg	240
ntgancaaga	cgggcangtg	cttatccctc	ggcangatgc	ccttaaccan	gagctcgast	300
ggacntatca	ccttanaggt	acannthccg	caccacacac	cngcttgenn	cctgacgetg	360
gactggaten	cttagggcac	caatncccg	tttnccacat	ncctgggaen	ctananatac	420
tcgagggggg	gcrcggatnc	caatteggcc	taatactgag	ccttgatacg	naagctnaet	480
ngnggtccta	ttanaacgtt	g				501

<210> 654

<211> 710

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(710)

<223> n = A,T,C or G

<400> 654

gcgnctttan	cncatgetgg	gctccacggc	gtggcgggcg	ctctacacta	gtggatccca	60
acactgagtc	caccacacga	aaactcanc	ccaggccggc	cccacacctg	cagaatccag	120
gctgcaattc	acagactaat	cntctagacc	cacctcagta	ccagatggta	ccacacagct	180
caaggnttta	ggtttggctg	gtanaactca	tctctatctt	tcacccactg	cagcctgact	240
tcagagatcc	tgngctctgg	acagtcctca	gtggcaggca	actctcagga	gcctcaggnt	300
tttggcacat	cccagnacca	gccagctgcc	acaggccctg	accttatanc	aacactggcc	360
atgtattcca	gacttctanc	ataccacagt	gccatgctga	ttgcatttat	agangctcag	420
gtgcncctca	aancctgtgc	tgctgcagca	ngccccacgt	ctctggcatg	ccccaatgcc	480
atgngtggha	acanttgact	tctgggcctg	ntggcaattcc	ctaccaactga	ncctgaccat	540
agggggganc	ccattttttt	cgaggggggg	gcccggcccc	caattccncc	ntatagnag	600
ncgtanttac	gcgcnnctta	ctnggcenct	ngtttaacaa	cgtcnntgan	ctgggggaaa	660
cccttgngng	cnacccaaat	taaacngent	tgcanncat	ccccctttcg		710

233

<210> 638
 <211> 202
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(202)
 <223> n = A,T,C or G

<400> 635	cccccttttacc	cttttcanccc	ccccgtttttg	gcagccgncn	acacctactn	catccaccca	60
	cantcgacca	cccgagcttt	tttccgatac	cancatanat	gengatttn	tcntgcctg	120
	ctgngcctgc	acctttgnta	ggtcaagcct	ggcccatctt	cgacnacttc	ctcatcaca	180
	acgatgaggg	atattctgac	ga				202

<210> 636
 <211> 308
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(308)
 <223> n = A,T,C or G

<400> 636	gctgntgaaa	gaccacaccc	aaaaactctn	ctttccgact	tcacatgat	gatcngcatg	60
	tggtggtgag	agacttatca	tgacgacatc	gcttccnacc	atcgcanccn	ctgccccagc	120
	ccattcatgg	aggcctgggn	antctctgta	ntgacntaga	cactanacsc	tnccactgtn	180
	tgctatccag	acttgnttng	aatatattat	tggcnaaana	canttncgga	atgetgtgnt	240
	tgnncattga	angatctgat	cactatygaa	gggtgaggac	nnctgctng	ctggcanint	300
	ntaacccn						308

<210> 637
 <211> 696
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(696)
 <223> n = A,T,C or G

<400> 637	acccntttcca	caatnctgna	ctcccccggg	tggcggccgc	gtcgaccagc	aacctcagct	60
	gtgggtctttg	ttacagtta	gagttactgt	aaggaaagtg	tgacatttgc	agcaatttga	120
	tttgtttttaa	aactagagca	gtttcagggt	tttcttggta	aatctgtctt	atgtgtcttc	180
	aatgttctttt	cttgaggagt	agagaaagga	attgttagga	atgatgcata	aacctggct	240
	tatttttatct	cgtgcacac	cataatcaga	gcagattctt	gggactatga	ccctcatgga	300
	gacatgacaa	ttgtgtgtgt	ggtgggtggg	agaaaagagc	tgggaatttt	taggggtctag	360
	aggttccaat	caggactatt	ttatggagct	ctgotnacca	actttaagtg	agcaccaggg	420
	gtgngaaagc	gaatcttggg	ntcaaaaana	caatggnaag	gggtaagttg	gtatnctgaa	480
	ctggccactt	cggactctta	tttaactggg	tattctcant	taaggaggcn	nggggtggtct	540
	tggcttgtna	aggaagcct	gtgcaatgga	atgactttta	aaacccccat	taaaaaaaa	600
	angntatasa	tcttgggtct	taanaangaa	gcctgggttc	tatttandcca	ttttcccccc	660
	gggaaggnaa	atntctctag	gnaanggaag	ggaagg			696

234

<210> 658
 <211> 698
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(698)
 <223> n = A,T,C or G

<400> 658
 ctggactccc cggggtggcg gccgctctag aactagtggg tccgtgttgg ctcaattctc 60
 aaggetgttg ctgtgoggn tcttccccac acgtgctgct cagctcaggg aagcacggag 120
 ctgtgttgtt ttcctgctca ggtggyaggg cctctctcca ggtcgtgct ctgtgggggt 180
 cccatacact caggetctta ggaggagtcc atttagaang ccagggtttt tctcagagtc 240
 ttagtttctt gtgctgtcat ccatttcaca cgacttgggc cctgctcggg gcaacacagc 300
 aagagaaaag acagggaaaa taagagaggg accttgccca cacaagctct ggaccacaga 360
 gccctgtgcc cagctctctt gtcaatacag gtggaatctc gtgcaggatc gcagggggtc 420
 gtgatgccac caaagagcag gccgggacag ggttaggaga gaaaggagag ggaagtgggg 480
 tttctctcta cgcactctta ttgcagagg gaaaggcggg ttgtatttgg ggttgctggg 540
 ctttgacccc acngcacagt tgtgagacac cccctctctn agatcaaaag cccacatata 600
 gcttggggga aaacaaaacn aaacaaaaca aaacagtaa acctccatgc canttggttg 660
 gnaagtttta aatttcttc cccnaccan cttgcttc 698

<210> 659
 <211> 750
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(750)
 <223> n = A,T,C or G

<400> 659
 ncaanctggc ctccaccggc gtggggggcg ctctagacta gtggatctct ctcatggggc 60
 tggatacttc tgaacatag atgaacattg ctatgaasa attatttcta ngaaaattgt 120
 gaggcctaag aatgntattt tcttttagtg atggtctttg ttgtctcttg taagggaactt 180
 gtgggcactc gtaagcttgg atctctttta tctaatacca gntttgagat ttctctggcc 240
 ccatagatga attaaaactg gcttacttct tgtttacaag anggataagt ctctagggt 300
 aagtcttttg gggctccaaag tcaaaaagat gagggattta ccagttctct aaccttggt 360
 gccccagact ccaaaacttg ccttctagtc ccaggaggt atcaaaaagc aaaggccatc 420
 ttccaccttc ttttccanaa cagcacacat tccagacagt acttgaaagc aggaacctcc 480
 ttatccctta aaacctctt ggaancatct tccctctctt gottctacta tgcctggccc 540
 acctancatt cncntttttc tggaaaocgg aaaaancctn tgacttnggt tggctacatt 600
 cagcttggcc cctacaatn tggtttccat ctgocctaan gaattttta agggcacttt 660
 tttnttggcc cctgaacttc ntttttagg gctttccccc angcttggcc cctttggtta 720
 aaggggttat tttcttccc cttttggaag 750

<210> 660
 <211> 849
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(849)

235

<223> n = A,T,C or G

<400> 660

tggatccac	tagtccagtg	tggtggaatt	cgcggccgcg	gtcgacgggc	agtagtggtg	60
tgcntntcta	aatggtataa	ttatttcaga	attactctgc	cagaaagtta	tgatcataca	120
tagaagagtt	tgtagctaac	tttgaagta	gtggaagtg	gttttcatgt	attgtttggg	180
ttaatttaat	tttgattata	tttggttttt	agttcaggta	atttttttgt	tgaaaacttc	240
aaatgacaat	ttcttcattg	ttactaaaga	tcactcatgt	ggagtagttt	cagatttttt	300
tctgaataca	tgtattactt	tttagagatgt	aaagatgtga	aattactaag	agagaaaccc	360
atgtgatttg	tttagtggtg	caaaagtogg	tagctccttt	gactctaagt	gccactgata	420
gttaaataga	tactgaagct	atgggcgggc	tggattgata	agaaaaagg	agacagagaa	480
atggtgaatt	gggaagaagc	tgtgcasaata	ggaaaaggag	agagcaacag	aacagaatta	540
gtaccacagt	gcgaagtg	caactcaggt	acttcacatc	cccatctctc	gaagaattca	600
gtaacagttt	gcaaatggc	aacacaatca	tttagtgatc	ctggttgata	ttttcaatac	660
tttctgggga	tttcttggct	ggnttcasaa	gatgatgctg	atagttttat	tgcacctgaa	720
ggatattctga	agnttancat	aatttatttg	tcagtaaaaa	atttgaataa	aagngganga	780
aggaataatct	ggcttcttat	tttgggatnt	cngcnggggg	aangaggata	taattnaccc	840
cggccttgg						849

<210> 661

<211> 653

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(653)

<223> n = A,T,C or G

<400> 661

aaacttaagct	tggtaccagag	ctcggatccc	tagtccagtg	tggtggaatt	cgcggccgcg	60
tgcacctcca	ttcgtttctt	gtcctttttt	ttcatttttt	ctcatgttct	attcacttta	120
ggtttctcaag	ataaatatta	tasaataatt	tttacttata	aattattcac	tgataccctg	180
tcttttaacat	gtgaatgaa	ttcaaaaagg	atcttaata	gaataaatat	actcatgatg	240
tttaatatagat	ttgatttcga	aataataagc	cctctgaagt	cctaagttaa	aaataaagca	300
acttgtttga	taatttttca	tcaagaatgt	atctgagtct	ctgagtaatt	attagtagga	360
ataktccatt	atccnatta	caaagtataa	gctatttagt	ctaactttac	caaaaaaggg	420
agctacttca	acactgtgtg	agacttttaa	tgggttttga	ttgggtatgc	actattagca	480
agataaaccta	ttttacagca	gtgtttntta	acctttccca	tttatttgaa	aggaagctaa	540
gatetagttag	ttaatntaan	gggtctgatc	atttatatta	catgtagana	atgggagata	600
cnaaaggag	nggggggana	tnttttgnat	tcnnaagctt	onttgncaat	taa	653

<210> 662

<211> 646

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(646)

<223> n = A,T,C or G

<400> 662

aaacttaagc	ttggtaccgg	agctcggatc	cctaagtcag	tgtggtggaa	ttcgaggcgg	60
cgtcgaccca	gggacaggca	gcccgngctg	gggtcaccag	ggtccctctc	tgggccctcc	120
aapagcaaca	gtactggcaa	cagctgggat	ttgctgagca	cagactctgc	agcaggctcg	180
gttgagctct	ctgtgcctgt	tcttcataac	catctccacg	cccatccatg	agatgggtcc	240
agctgttttc	agatgagaaa	atggcacagg	aagctggtaa	gtgacagtca	gaaatgaatg	300

236

```

ctggcagctt antccttggg cccacgcag tgcaggacct tgcacaacag ggatcaccct 360
tgtccgcac ctgttcctga ggccacccag ggtttgtgtg gtcatttgtc tcctttcacc 420
tgcttgccct caaccagctg ggtcattagg gctgggggac ccagaccccc caccgtcctt 480
ctccagang ccagacacan nctncgcac agnaaggact tcagtccccc aancaaatgt 540
nccctggcgt anaaactgna gggnccccaa tccctgtgtg ggtactgctt tgcactggng 600
gaattcaccc ctcatigana accttccct nttncaccc ctasac 646

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<210> 663
<211> 650
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(650)
<223> n = A,T,C or G

```

```

<400> 663
aacttaagct tggtaaccca gctcggatcc ctagtccagt gtggtggaat tggcggccgc 60
gtcgccgtcg acgaggcgng ccgttccgac gcagttgata catattatta tatactacat 120
nggttttcta gaattaaaaa attaatgtgt agtgcacgac ctgagtgtaa gttacatata 180
tcaactctat ccaattttgt cagccataaa acttaccctt ttccatagct tctaactota 240
acaatgtgag aaatgtagat cattgcaatt ataccacaaa ggcagatggc tacatgcaga 300
atggtataga gaattctagc atttaccgta gccacatggt agacgttttt tcctttgttt 360
ttgcataaatt gcaatataag ttgcatalcg tttaggtgaa aagatgtaaa gaacccatag 420
aagccagtga tgaaggacat ttatatattc acctttacaa angaccttaa aattgcctat 480
gtggagcaga aactggagga gggcnaaacc atcnytaaaa aaaattttgn tncatatttg 540
atttggggcac cattattacc tcccaggtt cctttttgnt ttaaccttcc ttttaaaaaa 600
aataattent aatttttggg caaaaaaaa caaggttttt attTaaattt 650

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<210> 664
<211> 678
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(678)
<223> n = A,T,C or G

```

```

<400> 664
taaaaatcta gactaaccta ggaatttatt ttantatcag aagaatatca ggggtgtagt 60
actcatcana gctaaatgag agcgctttta aastgttagt ttgtcttccg ccattttctac 120
agaaagctgc aatttccaggt ttccaacctt ataggtgata tttaagaaaa aaaaaagca 180
atcgcaata gccccactgc tttacaaat catttttctt ctcttaggta tagcctgtca 240
ggtggcccaa tctaattttt gacatctcta ggaattttta tagaaccaga aatgggtgoc 300
agagatatgc ctgcactaat cttaagtggg gatttatgta ttctcaagc aagtatttaa 360
agcaaaacta ggcacgattg aaatcaanat cttttaggca agaaagtcac gatgagtttt 420
anaattattt taggactctg ttgctttctc ttcatagaaa tagaaaaaaa aattgtata 480
aaaaaccaca aaggtcctga atagcccaaa gcaacactga acaaaangaa caaagcagga 540
agcaacacac taccggaatt caattatact accaaggtgt antaaccaaa acagcattct 600
attgggcata aatagacca aagaccagt ggaaccagaa taagaancc caaaatatat 660
ctatatatta cagccccc 678

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<210> 665
<211> 694
<212> DNA
<213> Homo sapien

```

237

<220>
 <221> misc_feature
 <222> (1)...(694)
 <223> n = A,T,C or G

<400> 665
 cttttccaat cttttttnct cttctaggta tanoctgtca ggtggcctaa tctaattttt 60
 gacatctctc ngaattttta tagaaccaga aatgggtgco agagatatgc ctgcactaat 120
 ctttaagtggg gatttatgta tttctcangc aagtgattna agcaaaacta ggcacgatty 180
 aatcaagat ctttttaggca aaasagtcac gatgagtttt agaattattt taggactctg 240
 tggctttctc ttcattagaa tagaaaaaaa aattgtataa aaccacaaaa ggtcctgaat 300
 agccaaagca acactganca aaagaacan agcaggyaag caacacacta ccngaattca 360
 aattatacta ccagggtgta gtaaccnaaa cagcattcta ttggcataaa atagacacca 420
 agaccaatgg ancagaataa agaaccctac aaataaatcc atatatntac cgcacnctga 480
 ttatcaataa cnaaccacca gascataatc taagggaact nctattcaat aantaagtgc 540
 ggnaaaaact gggaaatcca tatgcagaaa aatgaaact agacccctat cctcaccat 600
 acgcaaannt caacttcgga atgggattac aaaacttaag acattccaac ccaagaaact 660
 atnaaancta ctattaagaa aacagatcnc nccc 694

<210> 666
 <211> 705
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(705)
 <223> n = A,T,C or G

<400> 666
 ttttaaaatt tagatacact angaaaatta ttttagtata agaagaatat caggggggtgt 60
 agtactcact agagctaaat gagagcgctt taaaaatggt agtttgtctt ccgccatttc 120
 tacagaaagc tgcaatttca ggttttcaac ctaatagggtg atatttaaga aaaaaaanaa 180
 gcaatcgcaa atagcccccac tgccttttaca aatcattttt tctcttctag gtatagcctg 240
 tcaggtaggc taatgtaatt ttgacatct ctagggaatt taatagaacc agaaatgggt 300
 gccagagata tgcctgcact aatcttaagt ggggattttat gtattttctc agcaagtgat 360
 taagcaaaa ctaggcacga ttgaatatca gatcttttag gcaagaaagt catgatgat 420
 tttanaatta ttttaggact ctgtggcttt ctcttcatag aaatagaana aaaaattgta 480
 taaaaccaca aaagtccttg aatagcccaa gcaacactga acaaaaagaa caaagcagga 540
 agcaacacac taccagaatt caaattatcc taccaggtg tagtaaccas aacagcattc 600
 tattgggcnt aaatatagacc aaagaccaat ggaacagaat aaagaaccca aataaatcc 660
 atatttttac agccagctna ttatcaataa aaacnccaag aact 705

<210> 667
 <211> 817
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(817)
 <223> n = A,T,C or G

<400> 667
 nnangacttt tgtggtatta tacaatttnt ttttctattt ctatgaagag aaagccacag 60
 agtccataaaa taattctaaa actcatcatg actttcttgc ctaaaagatc ttgatttcaa 120
 tctgtcctag ttttgcttta atcaatttgc tgagaataac ataatcccc acttaagatt 180

238

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agtgcaggca tatctctggc acccatttct ggttctatta aaattctctag agatgtcaca 240
aattacatta ggccacctga caggctatac ctageagaga aaaaatgatt tgtaaaagca 300
gtggggctat ttgcgattgc tttttttttt tcttaaatat cactatttag gttgaaaacc 360
tgaatttgcg gctttctgta gaaatggcgg sagacaaact aacattttta aagcgctctc 420
atttagctct gatgagtact acaacctga tactctctg atactaaaat aattttccta 480
gtgtagtcta aactttttta aasagacatg taatccgcgg agtttgtaac tcaaaacgag 540
tgcattctagg aggtatcgca agcggtttct ggattaaatt ccagctagc ttgcttgctt 600
agcagggggc gnaaaaaaag acctctgcag cctaggggaag aaaaaccttc gcattgttct 660
taagtgttta cgttattttta ttctctanaa caaggcngaa ttgggaactc aatgggttcg 720
ttgggggtgg ggtatccctg gtncataaaa ngtcanaaag anggtacagg cggaacncca 780
agggctcgtc tgcatttana ctcggaattt tgggtgac 817

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<210> 669
 <211> 826
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(826)
 <223> n = A,T,C or G

```

<400> 669
cgggggggnt taagtctctc tggacgcttt tattgtacca gggcgatccc agcccaactg 60
taccatttga gtccctaact ctgccttgcct ctagggaat aaaaatagct aaacacgtaa 120
gaacaatgag aagcgctttt ctcccttagg ctgcagattg tcttcttcaa cgcacctgct 180
tagctagcta gctagctggg aatttaactc agaacggct tggatacct cctagatgca 240
ctcggttttg gttacaaact ccggcgatta catgtctttt taaaaaagtt tagactaac 300
tagggaaaat tattttagta tcagaagaat atcagggggg ttagtaactc tcagagctna 360
atgagagcgc tttaaaaatg ttagtttgtc ktccggcatt totacagaaa gctgcaattt 420
caggttttca nccaataggt tgatatntaa gaaaaaaaaa caaatcgcan atagccact 480
gcttttacaa atcatttttc tctcttaggt atagcctgtc aggtggccta atgtattttt 540
gacatctcta ggaattttta tagaccagaa atgggtgcca gagatatgcc tgcactaatc 600
tlaagtgggg atttatgtat ttctcaanca agtgattaaa gcaaaactag gcaagaaaga 660
aatcaagatc tttaggcagc aaatcatgaa nanttttana attattttan gaatctgtgg 720
cttctcttct taasatngaa aaaaaattg tttaaacca naaggtctga atcccaagc 780
nccctgaacn anagaacaan gccggagcac cccctcccaa atcccc 826

```

<210> 669
 <211> 547
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(547)
 <223> n = A,T,C or G

```

<400> 669
catttgtgtg gggaaaaaat gatttgtata agcagtgggg ctatttgoga ttgctttttt 60
tttttcttaa atatcaccta ttaggttgaa aacctgaat tgcagcttc tgtagaaatg 120
ggggagagca aactaacatt tttaaagcgc totcatttag ctctgatgag tactacccc 180
ctnatattct tctgatacta aaataatttt cctagtgtag tctaaacttt tttaaaaaga 240
catgtaactc gggaggttag taactcaaaa cgaagtgcac tnggaagtat cgcagcgctt 300
netggatnaa attcccagct tgcctngctt cttagccggg gggcggttaa aaaaacatct 360
gcagcccggg gnaaaaaacc ttgcattgtt tcttaactgt ttacgttatt ttatttccct 420
nagcaagcgg nggganttgg ggaactcgaa ttgtacagtt gggtggggg togcccttgt 480
tacataaaag ngtccagaa gagggaaggt tacagggcgg gandtcaaa ggtcagtcoc 540

```

239

tgccatt 547

<210> 670
 <211> 232
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(232)
 <223> n = A,T,C or G

<400> 670
 cgaactatatt agactaccta ggaaaattat tttagtatca gaagaatata aggggtgtag 60
 tactcatcag agctaaatga gagcgcttta aaaaatgttag ttgtcttcc gccatttcta 120
 cagaaagctg caatttcagg ttttcaacct aataggtgat atttaaaaaa aaaaaaagc 180
 aatcgcaaat agcccactg cttttacaaa tcattttttc cccacacaa tg 232

<210> 671
 <211> 214
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(214)
 <223> n = A,T,C or G

<400> 671
 ctccccttcc ntccttctgt acnncncatt ttchnaaatt tntttcgctt atgnnggaaaa 60
 scacccacat tnttcacctc gcacagaaac ngannggggtg tgtaaaatga agggcttccn 120
 cncctttctct tattnaanaa cactnaaana ggganngggtt aaaaaccgctg ngatnctctc 180
 actatcgctg ggccttttgg ngttcgctag aaga 214

<210> 672
 <211> 328
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(328)
 <223> n = A,T,C or G

<400> 672
 ngancagcgg ngtttaaacg ggcctctaga ctccaggaga cncctgttgg atggtggatc 60
 acanmtcgt actactatac aggcacaggt atcggganct ctggntgtt gpngectgcc 120
 aaccactgct nctgttaact gcgtatctga agggactcgg actggcttca gaagaactac 180
 cggctcgaaat gnaccatgga tgattcncnc tagttgaaaa aaaactcagg cacatgtatt 240
 gccactgatg actagcgcca gactnctctc ggcctcttaa ccagcccaca tgacngtgtg 300
 ncncccgctg tgnetccaga agaggttc 328

<210> 673
 <211> 223
 <212> DNA
 <213> Homo sapien

<220>

240

<221> misc_feature
 <222> (1)...(223)
 <223> n = A,T,C or G

<400> 673
 gggggcaaaag ctggctagcg tttaaaactta agcttggtac cgagctcgga tccannagac 60
 attgtgcatg aasatgcaaa ttgagtgtgg tctatantgc catntcacc tctgncngc 120
 tcaaaacaac ngctttctgc tgcaatgggt agggctctn acncacgggc gcnacggag 180
 gcnncttat cctctcggt nnggatccct ngaagcatnt tct 223

<210> 674
 <211> 256
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(256)
 <223> n = A,T,C or G

<400> 674
 ggggggtent ngatgagcgc ggttaataen atcaatntcn ggcnngntgg gtacggggcc 60
 cccctcnas ggggnagccc tttttttatt ttttttcata acatgataen ntctttnttc 120
 taascagacc acaccactan agtcccttn cttingtacg gaattgagtt aaagtagagn 180
 atacaatgca gggcttcnnc tctatttcac attccagnt ggttcngnat ggatcggccc 240
 tgcctctcgg atgggt 256

<210> 675
 <211> 439
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(439)
 <223> n = A,T,C or G

<400> 675
 nnaactagtc agtgtggtgg aattccattg tgttgggctt gtatgggttt tttgtctag 60
 ttttttggga aatgttngtg ttactatntt ttggataina tatatgatat gtatggccct 120
 tctatgggct cctcaaacng aactcaacca tttccacaa aacnattcc tcccttccct 180
 tcatgactga gtggtgttgg tactatcng gaaactggga cattgtcctt cacatctatc 240
 ccttanctgc ctngtccnat tgatgtcttt gsgctatgan atgtctttgt taactntctc 300
 ctccntctgt actgcggcca naattaagca ccatntgtca caaaaagtat tgcgttacct 360
 tcaagnatct gtingttnc atncttctg ctctctcngn ggaastagg ctnttctggc 420
 aaccgaacng aaaaaatac 439

<210> 676
 <211> 587
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(587)
 <223> n = A,T,C or G

<400> 676

241

```

agngggccin attaagcgcg cgtaatacna ctccctntgg ggogaattgg gtaccgggnc      60
ccctcaagt tnatntgecn aacctctctt ttggaataac aaaaggttka acacatatgt      120
cctcataggg acgogcttfc acacnttccf gacngettca tanacntcat tncatattct      180
cctcagnaca agttnaggen gaaggtgagg canacnttat aatttccatt tcacaaatnc      240
ggaaagttag gctcaaaagg nttaaaaaat aacctgatac aantcataga gccggtnctt      300
ggaaanaagca ggagcaaaagt ccaggcatcc tgatccaagc tnggtccact gccttccact      360
ctggagaggc ttcatctcctg acaaaggagc ggaentgagt ggctgganaa tctcatggga      420
taaagacctc agnatattcat gctcctggaa atcccatggg ttgaacaaca ggtttttggc      480
ccgtgggtct ntccctttgn ccctcttita accttggggg aatgatggc stctntnagc      540
ntttttcttn aaagagatng aatttgaatg attattingt cattggg      587

```

<210> 677

<211> 444

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(444)

<223> n = A,T,C or G

<400> 677

```

gtggggccatn attaagcgcg cgtaatacga ctccctatag gggogaantg ggtaccgggc      60
ccccctcgaa gggggcgccc tttttttttt tttttactgt ccaaacintc tatngatnta      120
gttgaactgt ncaacgattt catgaaatcc tatacacana gccttcaggt ccagagagta      180
aaacaaattt aaatttnttc accanattgn agcagncana agcatccnat natatccgac      240
tacaatgaat natatgcina nggtancina tttaccactc ntggggctct tanggtctgt      300
cacaactctt tttcgttaac atennittaa anttingtga atggacctaa tncagetas      360
ntctatttna tntaccttag catnccctgt gctnactttt cgggctgtgt tggcnfctt      420
ttagggagaaa attggtatas atnn      444

```

<210> 678

<211> 670

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(670)

<223> n = A,T,C or G

<400> 678

```

actagtccag tctggtggaa ttccattgtg ttggggagcg tttaaaaaaa aaaaagacna      60
aatatacnac tottgatnaa acataaaggt acagtggctt atgaggaana gaaaaggtac      120
ctnaggatgc aaantacct accacatggg aaccttngt ccacactcat tocnananaa      180
accagatcet ctcanttnca cactgttagg tttcagttgg gaagtgcctt ccattactcc      240
naagcctaga acctteacgt cctgaagggt ctgggaagggt tttcagattg cttaaaganac      300
gengcccttc catattentc tccactaccn nggggaacgg aacsaatgga gctgcgacng      360
ggaagcgctc ctccentcc gaacgcttfc tttcaaacct gcctgccttc onggogaatg      420
gaccggaggg ttttctngct tcttticanc ccnaattact tectngttg aaaattggcc      480
tgttggtttg caaatgcngg aatttgttta ctctentcat gtcctgtgtt gnnonaaccc      540
gctcncttgt tgcctccctt tngaaagggt ttcctcaggg ccgcgccttt ctctntaan      600
ngtccctaac oggnonggac cactcgggga aaatttttfc ttttggaaaa gcgcgcccat      660
ccgtccggct      670

```

<210> 679

<211> 449

<212> DNA

242

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)... (449)

<223> n = A,T,C or G

<400> 679

actagtcacg	tgtggtggaa	ttccattgtg	ttgggagtag	gtctactaca	nectacttcc	60
ectatcatan	aaganottan	caacnttcat	gatscccccc	tentannoot	tttctcanc	120
tgctctctag	tcctgtttgt	ctntttccta	acantcttaa	ganagatnac	taatnctaet	180
atctctnacc	tcgggaanct	acaanaecgtc	tggaaactatt	cngacccocat	gcancncat	240
netccatcgt	ctctccagcc	cttacccttc	ctttacntta	ctnaacgaag	gtcgacgac	300
ctctccntac	ctcccnmnc	attgggnccc	aanggnactg	gaectcaaga	ntacacccac	360
taaggggnga	ctaagncign	aactcettac	atatntcccc	gttaccoccn	gaacncageg	420
aacngcnaca	ccttggaent	caagaanta				449

<210> 680

<211> 670

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)... (670)

<223> n = A,T,C or G

<400> 680

tttctgtgtg	gtggaattcg	cggccggcgtc	gacgagaaga	nggaggagga	naaggagaag	60
gagaagaagg	agaanaagga	ggagaaggag	aagaaggaga	agaaatcacc	atcatcatca	120
tocactgtct	ngcaactatt	taagtgttgen	antcccttga	aaacaggtac	ttttgtttca	180
atgtttggga	ccaetnctga	cnatgannag	aanaccaata	aatgtttgat	naatgaaaaa	240
nccacttttt	acctgtttaga	acctgaggcc	taagagaant	gatgtgactc	gacttagtta	300
ccaacaaacta	tgaaccttagc	atnaattggg	gcctctcaac	acctcaactc	cctgtgcaag	360
aacagatttt	caatgtctac	tgatgatatt	aastggatta	tttctctctc	ttacttttta	420
agggcatgaa	gntttatgaa	acaaaactat	ncagttccag	acgtttaacc	cacatagtgt	480
taatagtcac	cttcaacaca	cnactaaacc	cccaaaaaan	gntttttacg	gngtttcgac	540
agttttcttt	tctttttgac	ttgnttaaca	cccnagacaa	ccttgtnctn	tttccntgaa	600
tcacancctt	caaananca	atggtncggg	ttttctctct	tcngggccct	tcctttnttn	660
aaaaccanac						670

<210> 681

<211> 494

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)... (494)

<223> n = A,T,C or G

<400> 681

tcattggtgtc	cacagtctga	tgtgagcgca	ttaaatttaa	gcatctccgc	ccttctcctt	60
aaaactcagg	acttggaat	ganccttaga	agcgcccttc	ccctccccc	ccanattcaa	120
gcgccggacc	gtctggnctc	cagctggccc	tagtgaaccc	gcggaattcg	aattcacact	180
cggggggccg	gcgaaggtgt	gcgcgcgcgc	gggaagcgcc	gggcnaagcc	gagggactgc	240
aagcccaana	nggagggcatg	ggtggcgggg	ggcgccgtct	gatccaggaa	ggagcggagg	300
cgcgatccac	acactctttn	gacgccttgc	ccgcgccttg	ccagcgcgca	gactgcaggc	360

243

```

cgcgaggagc aggaactcgc tggagtttgc caagcccacn gnetctggaa agtatgtagc      420
tccttttcgg accgactctt ctggcccttt gggacgggtg tgctattggg cgggggtctg      480
tataaggggg ggc

```

<210> 682
 <211> 263
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(263)
 <223> n = A,T,C or G

```

<400> 682
tgatcattca agcgtgngc gnataacgat tgctnagccc aacotttcat agggctcgttc      60
ctttgggaat nggatgtcta ttgaatggca gggatagggg cactcggcat tcgctctctg      120
tacagttttg catatatata ctcatcgaga gggagcgtag gggancttta agtttgggga      180
aatgcenccg catgcccctn ccggagctta aaccccacac aatnccatt tttaaaaaag      240
nttttttant taaaaaaaaa aac

```

<210> 683
 <211> 255
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(255)
 <223> n = A,T,C or G

```

<400> 683
cttgcceggc atgcacagac ntntttacgg acacnctact ccaagngagc ctgnanctgt      60
ctacggctca notctaaggt tagncantgc cacanatggc atagtccga gggcggtaan      120
ctcgggastg tctctgcaat tgaacntaaa ggcgntttca aganaggact aatngcctgc      180
ctcttgacaa cnaaceance cacacnacc tangacccn tangcaagga ctggattctg      240
naaatgcaat acaca

```

<210> 684
 <211> 922
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(922)
 <223> n = A,T,C or G

```

<400> 684
acccttcatt tcatgtgctt ctattttctt acctctttta catgactaag ggaattaatga      60
aatcacctct tcataatcat gaccataatt tcatacaaca agtaactcaag ttgtgtgtta      120
gcactttatt aatgcttaag aattctctct ctctccctct ttctcttttc cttagtctctt      180
gcacaataag gattttttgaa tgtataatat catcttaggt aagctttcat atggttttgg      240
catatgaagc ttatgactgt cataagccat aacaaagcctg tggagtatgg catgattttc      300
attacataat ccaatgaaaa tagacttatt ttaaatccct aactttgtag ttttaatttg      360
tatttcacta tcttgaaatt aacagctagt acttatccat cacagcagtc tctactgac      420
atgaagcaag ttgttgaaat cagtaganca tgaatgaaag catttaatgt tanacaaaaa      480
tgggtgatac ccnagcattc tgaattattt gcatacaagga atgggacatg tacattagtg      540

```

gcacatttcc	taccaatatg	tgacttgaat	tgttttttta	aaaaaagyan	aatgatttcc	600
tcaatttgc	ttaaaaaatt	ttnaaaaagt	tcaatggcat	gctgctttgt	ctggacttaa	660
tttatttaca	attntttaanc	cttccttaag	gacanaattt	tggtgttcag	gatccccctg	720
aaaggtctta	tttttnatan	nattccaaaac	ccaaaaggtg	gtttaaaatg	ggnggggttcc	780
ccccnnaaa	atttggaccg	gcttttttat	atttaaaaaa	nttncnttt	gngtttgaaa	840
ncnaatacc	aattaagggg	gaattttacc	tnccagtggg	aaaaaaaac	ncnngccttt	900
naaaaaatto	cngggagnca	at				922

<210> 685
 <211> 531
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(531)
 <223> n = A,T,C or G

tgaggctctg	taaaactggt	cctctgctag	gcatacttca	tattctctat	attaaactca	60
tctttaattg	gcattggaaga	ttcattgttc	caaatctcag	atgaagatcc	tattattggat	120
gcaattaagc	ctggcagcgc	cctcaaaaaga	cagttctgtc	actgctagcc	acagccagga	180
cacagtaacc	gttcccttct	gtgaccnag	accataanaa	atananactt	aaagaattct	240
gactccaaag	gcattagccc	attcctggta	ttgccaatna	tgatagaaaa	aattgcccaag	300
ctcctgggac	atggaaatac	actcagtaca	tttgagaact	ggagaactan	tttccaaaat	360
agtatgaaga	catgagngtg	attgtagata	tntgagtttg	gagaanttga	gggaattcng	420
attacacatg	tttactacaa	gagatgttna	taagtaaaga	aggcctgata	tacaatctaa	480
cagacnangt	agataaatct	taantcacia	ctgaentccc	ttttggggcg	g	531

<210> 686
 <211> 336
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(336)
 <223> n = A,T,C or G

ggngnccctna	tgagcgcgcg	taatacagtc	atatagggcg	aattgggtac	cgggccccc	60
tcaagaacac	tacaagctat	gtcctcttct	canagagccc	tgaantttta	acatattgaa	120
agctctnate	ttgccaaana	actccactta	acttcaaaa	acaccctccc	cacacatcat	180
gateaactna	gatcttactg	aaccagatcc	ctnaatggca	taatttcagga	acaggggtcc	240
anagaagcag	ttctcaaat	gcagctnaaa	aaqaaaactga	aaacccaatt	catgcasnac	300
ctagggctta	tttgagagca	ttttccagtg	cagatt			336

<210> 687
 <211> 271
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(271)
 <223> n = A,T,C or G

<400> 687

245

```

aatctgcact ggaaaatgct ctaaaataag cctaggtct tgcattgaatt gggttttcag      60
ttttttttta agctgcactt tgagaactgc ttctctggac cctgttccct gaagtatgcc      120
atttaggatt ctgggtcagt aagatctcag ttaatcatga tgtgtgtgga ggggtgtgtt      180
tgaagttnag tggagttctt tggcaagatc agagcttcca atatgttnaa acttcagggc      240
tctctgagaa gaggacatag cttgtagtgt t

```

<210> 688
 <211> 740
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(740)
 <223> n = A,T,C or G

```

<400> 688
tgaatgaagcg cgcgtntatc nactcaactat ngggggcgaan tatgggtacc gggacccccc      60
ogaagcgggcc gccctttttt tntttttttg tgagagttta aatasaatat ttgagtttaa      120
tttaaaagttt gagttttaatt aaatatatag gcattatcca agttgggctt tgcanaaaga      180
acacttctca ggaactgtta gttgggtgac caggaaactca gaagggtcct gttattaaat      240
atatttggaa aatgcattga ttctctgaan atcctctctg atgtgagcaa cacttacatc      300
ncaaacccaa attggcattg catcacatnaa ccaatatctc ccaaacattt ctggttatgg      360
cccacccccc ttgtgtanta cttattgctg ttttttggaa ccttggggaa attacttaaa      420
atattcagct ggaattaca ggcgttactt ttaaggganc aagaattaca gtgactccca      480
aaattgcagg tgttgattac tatttaagaa ccaagaatt tgaagaaat tttgaasgt      540
gaaaacngga aatnttaaat gacttctcaa attttgaaaa ctcnnggaaa catctccact      600
ttggtacccct tcccttssaa attggctaaa aattnttnt tatncccaac ccattggaan      660
tcccccccc ctggaacaaat tggattcccc tatctctaa aaaaaggccn cccccccgg      720
ggugaacncc nacttttgn

```

<210> 689
 <211> 635
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(635)
 <223> n = A,T,C or G

```

<400> 689
actagtcacg tgtgggtggaa ttccattgtg ttgggattac atatactttt agcaattttt      60
aaagaagtgt acaaagttga gatgtttcct gagctctcat atacttgaaa atgtcatttt      120
acatctccgt ctccacctct caaaaactctt ttcaattctt tggctcttaa tagtaatcaa      180
cacttgcaat ctggagtcac tgaattctt gctcctttac agctacnccct gttatttcca      240
gtgcaatatt tttagttatt tcccagggtt ccaaaaaaca gcaataagta ctacacaag      300
ggggtggggc etaacccagaa atgttttggg aatactggct catgtatgca atgccaaatc      360
tggtttgcaa ttgtantgtt gctcacatgc agagtgaatc ttcaanaaat ccattgcatt      420
tccaaatata ttttaatsaca gggaaacctt tgantctctg gntacaccaa ctaacagttc      480
ctgaaaaatg ttctttctgc aaaacccaac ttggggatat gccatatatt ttaattaaac      540
tcaacttta aattaaactn caattatttt attttaact cctcaaaaaa aaaaaaaa      600
aggggggggc ctccaangg ggggncgggt tcccc

```

<210> 690
 <211> 3923
 <212> DNA
 <213> Homo sapien

<400> 690

acagaagaaa	tagcaagtgc	cgagaagctg	gcctcagaaa	aacagagggg	agatttgtgt	60
ggctgcagcc	gagggagacc	aggaagatct	gcctgggtgg	aaggacctga	tgatcacagag	120
gaattacaac	acataacttt	agtgtttcaa	tgaacaccaa	gataaataag	tgaagagcta	180
gtccgtgtgt	agtctctcca	gtgacacagg	gctggatcac	catcgacggc	actttctgag	240
tactcagtgc	agcaagaaaa	gactacagac	atctcaatgg	caggggtgag	aaataagaaa	300
ggctgctgac	tttacectct	gagggccacac	atctgctgaa	atggagataa	ttaacatcac	360
tagaaacagc	aagatgacaa	tataatgtct	aagttagtgac	atgttttttg	acatttccag	420
cccttttasa	tatccacaca	cacaggaagc	acaaaaggaa	gcacagagat	ccctggggaga	480
aatgcccggc	cgccatcttg	ggtcatcgat	gagcctcgcc	ctgtgcctgg	tcccgtttgt	540
gagggaaagg	cattagaaaa	tgaattgatg	tgttcocttaa	aggatgggca	ggaaaacaga	600
tctgtttgtg	gatattttatt	tgaacgggat	tacagatttg	aaatgaagtc	acaaagtggag	660
cattaccaat	gagaggaana	cagacggaga	aatcttgatg	gcttcacaaag	acatgcaaca	720
aaacaaatgg	aatactgtga	tgaactgagg	cagccaaagt	ggggaggaga	taaccacggg	780
gcagaggggc	aggattctgg	ccctgctgcc	taaactgtgc	gttcaataacc	aaatcatttc	840
atattttctaa	ccctcaaaaac	aagctgtgtg	taatatctga	tctctacggt	tccttctggg	900
cccaacattc	tccatatact	cagccacact	catttttaat	atttagttcc	cagatctgta	960
ctgtgaacct	tctaacctgt	agaataacat	tactcaattt	gttcaaaagc	ccctcgtggt	1020
gctgcctaatt	atgtagctga	ctgttttttcc	taaggagtg	tctggcccag	gggatctgtg	1080
aacaggctgg	gaagcatctc	aagatctttc	cagggttata	cttactagca	cacagcatga	1140
tcattacgga	gtgaattatc	taatcaacat	catctcag	gtctttgccc	atactgaaat	1200
tcattttccc	cttttgtgcc	cattctcaag	acctcaaat	gtcattccat	taatatcaca	1260
ggattaaact	tttttttttaa	ccctggagaa	tccaatgtta	catgcagcta	tgggaattta	1320
attacataat	ttgttttcca	gtgcaaatg	gaclaaagtc	tttatccctc	ccctttgttt	1380
gatttttttt	ccagtataaa	gttaaaatgc	ttagccctgt	actgaggctg	tatacagcac	1440
agctctctccc	catctctcca	gccllatctg	tcaacccat	caacccctcc	catccacact	1500
aaacaaaatc	taacttgtaa	ttccttgaa	atgtcaggac	atacattatt	ccctctgcct	1560
gagaagctct	tccttgtctc	ttaaatctag	aatgatgtaa	agttttgaat	aagttgacta	1620
tcttacttca	tgcacagaag	ggacacatat	gagattcact	atcacatgag	acagcaataa	1680
ctaaaagtgt	aatttgattc	taagagttta	gataaatata	tgaatgcaa	gagccacaga	1740
gggaatgttt	atggggcagc	tttgtaagcc	tgggatgtga	agcaaaaggca	gggaacctca	1800
tagtatctta	tataatatac	ttcattttctc	tatctctate	acaatatcca	acaagctttt	1860
caacagaattc	atgcagtgca	aatccccaaa	ggttaacctt	atccatttca	tggtagtgcc	1920
gctttagaat	tttgccaat	catactggtc	acttatctca	actttgagat	gtgtttgtcc	1980
ttgtagttaa	ttgaaagaaa	tagggcactc	ttgtgagcca	ctttagggtt	cactcctggc	2040
aataaagaat	ttacaaagag	ctactcagga	ccagttgtta	agagctctgt	gtgtgtgtgt	2100
gtgtgtgtgt	gagtgatcat	gccaaaagtgt	gootctctct	cttgacccat	tatttcagac	2160
ttaaaacaag	ctgtttttca	aatggcacta	tgagctgcca	atgatgtatc	accaccatat	2220
ctcattatlc	tcagtaaat	gtgataataa	tgtcatctgt	taacataaaa	aaagtttgac	2280
ttcacaaaag	cagctggaaa	tggacaacca	caatatgcac	aaatctaact	cctaaccatca	2340
gtacacact	gcttgacata	tattgttaga	agcacctcgc	atttgtgggt	tctottaagc	2400
aaaatacttg	catttaggtct	cagctggggc	tgtgcacacg	gcgggttgag	aaataatcaa	2460
ttctcagcag	aagccagaat	ttgaattccc	tcatttttta	ggaatcattt	accaggtttg	2520
gagaggattc	agacagctca	ggtgctttca	ctaatgtctc	tgaacttctg	tccctctttg	2580
tgttcatgga	tagtccaata	aataatgtta	tctttgaact	gatgctcata	ggagagaata	2640
taagaactct	gagtgatata	aacattaggg	attcaaaaga	atattagatt	taagctcaca	2700
ctggtcassa	ggaaccaaga	tacaaagaac	tctgagctgt	catcgtcccc	atctctgtga	2760
gccacaacca	acagcaggac	ccaacgcag	tctgagatcc	ttaaatcaag	gaacccagtg	2820
tcattgagtg	aattctctca	ttatggatgc	tactctctgg	ccatctctgg	ctctctctct	2880
gacacatatt	agcttctagc	ctttgcttcc	acgactttta	tcttttctcc	aacacatcgc	2940
ttaccaatcc	tctctctggt	ctgttgcttt	ggacttcccc	acaagaattt	caaagactct	3000
caagtctttt	cttccatccc	caccactaac	ctgaatgcct	agaccccttat	ttttattaat	3060
ttccaataga	tgtgtccctat	gggtatatatt	gcttttagatg	aacattagat	atttaaagct	3120
caagaggttc	aaaatccaac	tcattatctt	ctctttcttt	caactccctg	ctcctctccc	3180
tattactatg	attgactga	acagcatggt	cccaatgta	gocatgcasa	tggaaaaccc	3240
agtggctcct	tgtgtacat	gcattgaaag	ctctgaagc	cagaaggatg	actgattacg	3300
cctcatgggt	ggaggggacc	actcctgggc	cttctgtgatt	gtcaggagca	agacctgaga	3360

247

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tgcgcctgc cttcagtgtc ctctgcctct cccctttcta atgaagatcc atagaatttg 3420
ctacatttga gaattccaat taggaactca catgttttat ctgcctata aattttttaa 3480
acttgcctga aattaagttt ttccaaaac ttgccttgta aattactttt tottacagtg 3540
tcttggcata ctatatcaac ttfgattctt tgttacacet tttcttactc ttttatcacc 3600
aaagtggctt ttattctctt tattattatt atttcttttt actactatat taogttgtta 3660
ttattttgtt ctctatagta tcaatttatt tgatttagtt tcaatttatt tttattgctg 3720
acttttaaaa taagtgaatc ggggggtggg agaaccagggg agggagagca ttaggacaaa 3780
tacctaagtc atgtgggact taaaacctag atgstgggtt gataggtgca gcaaacact 3840
atggcacacg tatacctgtg taaaacct acacattctg cacatgtatc ccagaacgta 3900
aagtaaaatt taaaaaaaag tga 3923

```

<210> 691
 <211> 882
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (882)
 <223> n = A, T, C or G

```

<400> 691
ttactcacta tagggctcga ggggcgcctg aattctgctg cagtgcgctg tgattatgtc 60
cctgcactcc agcctggatg acagaacacg atcatttctc taaggacaaa caaaaaacat 120
aaaataaaac tagtataagg atagaagccc aggggttgatt taagtctgag gaaatcctaa 180
accataggto agacttctca ttgatgaggt acttgtgggt tagaatacaa ttaggtatat 240
ttggtctaga aaccaggatg gaattagaga ataaaagact gagcaatagc atgttatagt 300
attagaataa ctatagaaat aggaaaagcc ctgattatga ctttggagtt ctgatccaac 360
atctgggatt atttctgat tttaaaggaa aacgatgact tttagctctc aggatgttag 420
tttctcacc cataaaatga agagcctcga aaagatttgc tttaccagat tatttctgaa 480
gtcaattcca gttctaaaa tccatcactg ngcactaagg caaattgaat tgastaaagt 540
attgggnatg cataaaatac tctattttta aaaangaata gtaattatcc attgnaaaca 600
gagcancatc tccagnccatc tctacccctg ncccatgnen tatgtagana tgtanctcta 660
atcccttaac aaccagattt tgcaaaaggag cttanccctg ggtacttgg tcanggcaac 720
tggtctactt tnaagactca tcttcaetta ctgggcacca aatnccctac attgcatcaa 780
actggggttc ccacncaagg caaacccctgn gaaatcttta atcccgaaat tggcgcccaa 840
tttgnngggg ttccnaaaa gaatcctccc ccccgagggg cc 882

```

<210> 692
 <211> 235
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (235)
 <223> n = A, T, C or G

```

<400> 692
ccgcactngt aagngccgcc agngagctgn aantccgcta agnccggatc cactagtcga 60
ttgatggtaa aagggtagct tactggnatg tccgnetget ccanganata ataonccagga 120
cttctcanag caattaatat gttaatataa aactnccgga aaaaagatnt tcnatgaanc 180
nttctcttta gtaggtcagc ngagaatagt gttaatgnca ttaagganag aacga 235

```

<210> 693
 <211> 383
 <212> DNA
 <213> Homo sapien

248

<220>
 <221> misc_feature
 <222> (1)...(383)
 <223> n = A,T,C or G

<400> 693
 ntatgttaag aaatgtcata tatcttttat tttcttttaa tcaaaataaa tatgactttg 60
 agcatcccat cccatgcccc atcctatcag aatggtagga acatcaaac aaataattag 120
 taatgcaccc catctacatt cccatgctct ctttacttct tcagcattgc cttaaaggcat 180
 aatacaactt taattaatta attcagcctc ctaatgcaca ttaacaaagc cctgctaga 240
 ctctgtccat aatggnaaac ctgnatgat cttgatatta acantttaag gaatgtccat 300
 ggaattggtt cagacttaaa aaattgaggg ggtgaanaa aatctaangg anaaatcatg 360
 gaagcatttg cacatattac ata 383

<210> 694
 <211> 204
 <212> DNA
 <213> Homo sapien

<400> 694
 tctcttggtt ggtcagcctg aagggtagga atgactcacc aacgtacta atcctttctt 60
 actgtccctt atttttttcc ctcccaggt ctaactcga ggttaactc tcttttatac 120
 aagaacctg tctgatgaag catcatttca gaattttaag tcaacttaca aatgtggtat 180
 tattcacatc tgagtacaaa tttta 204

<210> 695
 <211> 670
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(670)
 <223> n = A,T,C or G

<400> 695
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 cccanaggag gagacggag canaaccagg gccaccccaa aggaggagac ggaggcaaaa 540
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 ggggcccnac 670

<210> 696
 <211> 317
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(317)

<223> n = A,T,C or G

<400> 696

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gcccactgtc	atcgtggata	catttcaact	ttttcaactg	actaaggagc	tctccggagt	180
gaagagttag	taaatatgtt	tattacgcac	tcatttgcta	agaatcatca	agaacccaaa	240
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<210> 697

<211> 246

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(246)

<223> n = A,T,C or G

<400> 697

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tttttttctt	tnacagsgat	ntttttgtgc	ccttggttct	tatgctcana	ctcngcaaaa	180
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<210> 698

<211> 3674

<212> DNA

<213> Homo sapien

<400> 698

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agccagttaa	acatattctt	tcttctctcc	atcagggcaa	atcacggtgt	tgaccttggc	180
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250

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<210> 699

<211> 2051

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

<222> (1)...(2051)

<223> n = A,T,C or G

<400> 699

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251

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caccctgcag gaatgccaggt gaacatattg ctgacatctt ggagctcagt acctcatagt      720
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<210> 708

<211> 2841

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(2841)

<223> n = A,T,C or G

<400> 708

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<210> 701

<211> 3228

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(3228)

<223> n = A,T,C or G

<400> 701

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<211> 123

<212> PRT

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<400> 706

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 35 40 45
 Leu Ser His Ser Val Ala Val Val Thr Ala Ser Ala Ala Leu Thr Gly
 50 55 60
 Phe Thr Phe Ser Ala Leu Gln Ile Leu Pro Tyr Thr Leu Ala Ser Leu
 65 70 75 80
 Tyr His Arg Glu Lys Gln Val Leu Ile Gly Gln Trp Val Glu Ser Gly
 85 90 95
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260

Val Ser Gly Lys Gln Leu Trp Arg Met Leu Leu
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<210> 707
 <211> 150
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<400> 707
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 Ala Ala Gly Ile Thr Tyr Val Pro Pro Leu Leu Leu Glu Val Gly Val
 35 40 45
 Glu Glu Lys Phe Met Thr Met Val Leu Gly Glu Ser Leu His Pro Pro
 50 55 60
 Ser Phe Leu Phe Gln Ile His Ala Thr Trp His Val Gly Gln Glu Tyr
 65 70 75 80
 Leu Cys Pro Gly Ser Cys Leu Glu Gly Glu Val Val Cys Trp Glu Gly
 85 90 95
 Ile Ala Gly Gln Glu Gly Asp Pro Gly Leu Arg Gly His Thr Lys Arg
 100 105 110
 Lys Lys Arg Ile Pro Arg Thr Tyr Pro Ser His Leu Trp Ile Pro Gly
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 130 135 140
 Leu Trp Leu Ala Leu Leu
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 <211> 371
 <212> PRT
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 20 25 30
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 35 40 45
 Ser Asp His Trp Arg Gly Arg Tyr Gly Arg Arg Arg Pro Phe Ile Trp
 50 55 60
 Ala Leu Ser Leu Gly Ile Leu Leu Ser Leu Phe Leu Ile Pro Arg Ala
 65 70 75 80
 Gly Trp Leu Ala Gly Leu Leu Cys Pro Asp Pro Arg Pro Leu Glu Leu
 85 90 95
 Ala Leu Leu Ile Leu Gly Val Gly Leu Leu Asp Phe Cys Gly Gln Val
 100 105 110
 Cys Phe Thr Pro Leu Glu Ala Leu Leu Ser Asp Leu Phe Arg Asp Pro
 115 120 125
 Asp His Cys Arg Gln Ala Tyr Ser Val Tyr Ala Phe Met Ile Ser Leu
 130 135 140
 Gly Gly Cys Leu Gly Tyr Leu Leu Pro Ala Ile Asp Trp Asp Thr Ser
 145 150 155 160
 Ala Leu Ala Pro Tyr Leu Gly Thr Gln Glu Glu Cys Leu Phe Gly Leu
 165 170 175

261

Leu Thr Leu Ile Phe Leu Thr Cys Val Ala Ala Thr Leu Leu Val Ala
 180 185 190
 Glu Glu Ala Ala Leu Gly Pro Thr Glu Pro Ala Glu Gly Leu Ser Ala
 195 200 205
 Pro Ser Leu Ser Pro His Cys Cys Pro Cys Arg Ala Arg Leu Ala Phe
 210 215 220
 Arg Asn Leu Gly Ala Leu Leu Pro Arg Leu His Gln Leu Cys Cys Arg
 225 230 235 240
 Met Pro Arg Thr Leu Arg Arg Leu Phe Val Ala Glu Leu Cys Ser Trp
 245 250 255
 Met Ala Leu Met Thr Phe Thr Leu Phe Tyr Thr Asp Phe Val Gly Glu
 260 265 270
 Gly Leu Tyr Gln Gly Val Pro Arg Ala Glu Pro Gly Thr Glu Ala Arg
 275 280 285
 Arg His Tyr Asp Glu Gly Lys Ala Leu Ala Ala Ser Arg Gly Trp Cys
 290 295 300
 Gly Ser Arg Pro Pro Glu Thr Thr Leu Gly Ala Val Ser Gly Leu Val
 305 310 315 320
 Pro Leu His Pro Gly Pro Asp Phe Ser Val Arg Lys Val Gly Met Asp
 325 330 335
 Pro Ile Cys Ile His Gly Phe Ser Trp Val Trp Asn Ile Ser Ala Cys
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 Ala Pro Val
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<220>
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 <223> n=A,T,C or G

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262

<210> 711
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 acgtttagtc gactntaccg ggcggccgct ctaccctntt atngattctt attaaaaac 180
 ggatc 185

<210> 713
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 <213> Homo sapiens

<220>
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 <222> (1)...(172)
 <223> n=A,T,C or G

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 <212> DNA
 <213> Homo sapiens

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 <223> n=A,T,C or G

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263

ctcactatnc gccacgcgag ggcagcagg gaacgggtca cctcccagtc tc 112

<210> 715

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<213> Homo sapiens

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<223> n=A,T,C or G

<400> 715

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<210> 716

<211> 122

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<222> (1)...(122)

<223> n=A,T,C or G

<400> 716

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ca 122

<210> 717

<211> 203

<212> DNA

<213> Homo sapiens

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<223> n=A,T,C or G

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<211> 168

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

264

<222> (1)...(169)
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 <212> DNA
 <213> Homo sapiens

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 <223> n=A,T,C or G

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<210> 720
 <211> 131
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(131)
 <223> n=A,T,C or G

<400> 720
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 gaagcaccct t 131

<210> 721
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 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(121)
 <223> n=A,T,C or G

<400> 721
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 <212> DNA
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265

<220>

<221> misc_feature

<222> (1)...(246)

<223> n=A,T,C or G

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<210> 723

<211> 160

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(160)

<223> n=A,T,C or G

<400> 723

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<210> 724

<211> 156

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(156)

<223> n=A,T,C or G

<400> 724

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<210> 725

<211> 347

<212> DNA

<213> Homo sapiens

<220>

<221> misc_Feature

<222> (1)...(347)

<223> n=A,T,C or G

<400> 725

```

aganggttnt atncatgctg tactgcgcgc cctgcagtcg acactagtgg atccaaagaa 60
ttcggcaca gagacggtgc gcgatggacc gagggcccca gccggngagg cgcgcgcgcc 120
gagcccgccg ncagacgcgc catcagtagc gtccgcaccg ggnagccgcg gntctcgccc 180
gagccgtggg cgcgcgcgag gggcgggctc gcctcccgcg gtccctcgca gctctgcogc 240

```

266

gccccagacc ggcgcgtcgc cgcgcgcgnc ttgcgcctcg gncgcgcggg nccggnaaac 300
 gcggtcgagg tctggatgng gcanngcccg cncctatgc tgagcct 347

<210> 726
 <211> 162
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(162)
 <223> n=A,T,C or G

<400> 726
 ttgggtgggt tgggtggggg naaatttnc ctttgggtg ggtttggggg ggnaaatact 60
 tccgccttt tnggtaccca aagaaacnaa gggggagtc cttnatagag gnagnccgat 120
 nctnccaac naentngact ttgaccatgg ggagnaggt gg 162

<210> 727
 <211> 120
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(120)
 <223> n=A,T,C or G

<400> 727
 gtgtgggtgg ggaattccat tgtggttggg ggnaaatctc ggtttgtcca aagaaaggg 60
 ggggtcctt anagnnagg ggttctctc ccaccattg nettgaccat tngagnaaag 120

<210> 728
 <211> 130
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(130)
 <223> n=A,T,C or G

<400> 728
 gaccactgc agcgtttaa cttagcttga ccgagctcgg atccctagtc cgtgtggtgg 60
 aattccatgt gtccagagag gggcaaatc nctccaanac anccccca tgcctacac 120
 atatcgcat 130

<210> 729
 <211> 182
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(182)
 <223> n=A,T,C or G

<400> 729

267

```

cngactgcta gegttaaac ttaagcnagg tacogaacgg ggaatnaaga ctantgatcg 60
gttgcttctt tccagtcgat tanattttgtg aaaaagctga accnngccn gtttaaggggg 120
annaigcaaa anatacctcc aactgccccn taaactgnic tatcnaggg aaaaaangga 180
ag 192

```

```

<210> 730
<211> 678
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(678)
<223> n=A,T,C or G

```

```

<400> 730
cactcncact ccggacctag gcncttcacc actgctctct tctctctctt cctctctctc 60
ctcggggctg ggggaacctc cccagtgaac atctcacttt ggtgaancc caetcggggc 120
agcttgagtt tggggctctt ggccttctca cctctctcgg cccctctctt ggcccgacc 180
agggcaaac ggggcagcgg taacttgagc ttgtgtcgg cctctctctc cccctctgac 240
acctggtact cggcatggtt gcccggggg tggcgagagc tccacgtcgg gcagtggag 300
gcagaagta cgtcgggcc cggggggctg ctctcagca cctcggccc cccctctagc 360
tctggcccc agtggtggca acttcagcct cagcccaccc tgcctgtgg ccgctctgac 420
cgctctgccc tctcggctta gcccacgtc caactcaagc tggggcactg tcacggtggg 480
catcttaag acacctcac ccaaccagcag ctaccacct gcaacctggg ctccaggcaa 540
aaaaagggtc acctggggca nctgaacct gtacctgtg tgcctctgc tgaangaat 600
gttatctgaa cctgtgccc tgggggtact gccttccaa aacgggtca antccactg 660
ttggaaggna aatcccc 678

```

```

<210> 731
<211> 135
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(135)
<223> n=A,T,C or G

```

```

<400> 731
gagatccgac gtcacccct tccgggggccc caagacgctg caactccga ggngcccaa 60
atatctttgg aagagcgtc ccagcccaac acaatggaa tccaccacac tggntagtg 120
gatccgagct aagcc 135

```

```

<210> 732
<211> 660
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(660)
<223> n=A,T,C or G

```

```

<400> 732
gtttggtacc gagctnggat cctagtaaac ggccggcagt gtgctggaat tgggtttct 60
tcaatcagat nacagcgtc atgtctgct aacattgtca taattgtgg catagattac 120
tgaataataa gaaaaaaat tgaagctgcc tatcaagttt tggattatc aaaaacttcc 180

```

268

```

tacaagttat tttacttcaa ccatgttatt scaaatattt taatgaatac tttagagact 240
ttaattacaa aaaaatgaga tagttaaage aagttaataa agctgaattt acttagctat 300
ttgataatta cataaattat tatggtaaat tcaacttttc tagtgtttag tttatacacc 360
aggaagactt toctattcta ctascattta taaagtatgc taacctatta tttaaaccca 420
tccactatta ggatttttatg gactaaacag tgatacagtt cagtattcttg atgtcaaaac 480
tttttaagca agtagggatt aagttcaagt gaatgtgatt ttctttcttc ccagtagggg 540
cttctgaata actcagnaaa gctcacttcc attatcttac tttataaaaa aatgctataa 600
gacagaatgg gccagcgtgg ngggtccacc tgtatccacc tttggaggcg aggggcgaat 660

```

<210> 733

<211> 836

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(836)

<223> n=A,T,C or G

<400> 733

```

aattaatgac tttttttcog ccttgccaag ctagtttgtc taaatataat gtaaagaaat 60
tagctaactca tttctcgtgc caccgaagggt cctaaaaatgg gaagaagtgg agatctgacc 120
ttgttagttc taaatacaact aaactggggag tgcctatggat ggctttcagg atgtcctgaa 180
toctotataa ttgtatacaa aatcgtgagt ttttaaaaaa tgggttcagag ctattgggtc 240
ctcagagctc caggaatctt agacccccaa aaaggttaag gactactgac ttaaccaatt 300
aggttttggt ggcatttggt ttgaagaaaa gcagaggaaa gatataatctt ataattctgg 360
gcaacaaaaa agtggatgtg tgcacgcatc tttagagtaga atcctcttaa aggatagca 420
ctgcataiga actagtaggt ttaaacaggt gcataattag gcgaagtage tcatttttct 480
gttagaattc ttttttatct gggaatgggc aagcttttac agcttttacc ttgccaatga 540
atacctggaa ttttaaaaaa ctgttttaggc atattgocaa taaagttttt tttcctagat 600
cataatattca gtaaatatgt ttgttagcttt atttcaatcc ccaattccat tgagggttga 660
aacaatttga atgttttgag tglagaagct aagttatttc tgttagaggct aaggggcatt 720
ataccaanat atgttagact tgnngntcct gtaaacatg ctgtanacaa taggaattac 780
tgtatatoca cattttaatt ttaacatctt ctgctttgnt gntggtttga gaagga 836

```

<210> 734

<211> 694

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(694)

<223> n=A,T,C or G

<400> 734

```

nagtnctatt tncactaaac tgnaggtgce ttggatggct ttcaggatgt cctgaatcct 60
ctataattgt atacaaaaac gtgagttttt aaaaactggg tttagactat tggttcctca 120
gagttctcagg catcttagac ccccaaaaaa gtttaaggact actgaactaa ccaattaggt 180
ttgagtgcca ttggctttga agaaaagcag aggaagata tattttataa ttctgggcaa 240
caaaaaagtg gatgtgtgce agcatcttag agtagaatcc tottaaaagg atagcactgc 300
atatgaacta gtaggtttta accagtgcct atttagggca agtagctcat tttctgttta 360
gaattctttt ttattttgga atgggcaagc ttttacagct tttaccttgc caatgaatac 420
ctggaattta aaaaatcttg tttaggcata tgcacataaa gtttttttct cttagatcata 480
tattcagtaa atatgtttgt agottttatt caatccccc attcattgag ggttgaacaa 540
atttgaatgg tttagtgta gaagctaaat tatttctgta gaggttaagg gcatttatac 600
caagatatgt tagacttggt gttcctgtta accattgtgt tagacaatag gaattactgt 660
atatccacat ttttaatttt aacatcattc tgctc 694

```

269

<210> 735
 <211> 126
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(126)
 <223> n=A,T,C or G

<400> 735
 ncattgaaac nggttgacca gaattcagga ctgtgcgcta aatcgtggag aatctcgtgc 60
 cgaattcgga acgagctctct ctctctctct ctctctctct ctctctctct ctctctctct 120
 ctctct 126

<210> 736
 <211> 165
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(165)
 <223> n=A,T,C or G

<400> 736
 cagaagcctt taaccggytt ngaccagact taaggcctgt gcgctccttc gtggagaatc 60
 tcgtgcgcaa ttgggcacga gtctctctct ctctctctct ctctctctct ctctctctct 120
 ctctctctct ctctctctct ctctctctct ctctctctct ctctc 165

<210> 737
 <211> 125
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(125)
 <223> n=A,T,C or G

<400> 737
 ggnagccctt ttaaccgttt gtccagactt caggcctgtg cgtcgaatcg tggagaatct 60
 cgtgcggaat tgggcacgag tctctctctc tctctctctc tctctctctc tctctctctc 120
 tctct 125

<210> 738
 <211> 137
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(137)
 <223> n=A,T,C or G

<400> 738

270

```

ggagncnctt gancaggatg accgaettca ggctgtgag ctcaatogtg gagaatctcg 60
tgcgaattc ggcacgagtc tctctctctc tctctctctc tctctctctc tctctctctc 120
tctctctctc tctctctc

```

137

<210> 739

<211> 970

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(970)

<223> n=A,T,C or G

<400> 739

```

aggcctattt agtgacact atagaacaag ttgtacaaa aaagcaggct ggtaccggtc 60
cggaattcgc ggccgcgtcg acggcccttn gtgcactag ntctttcatt ctccccccc 120
atcaatcagt gaacttttta gctctctcaa agctttgtct caatgcatag gatttatgat 180
tgtggggatt tccagataat ataaatatto aacatgaata ttttaatta aggcattgaa 240
cttttttctt aactgagcat agccatgaac ctctcagtc tgttctctcg tgcagtttg 300
tancactgaa taccagagcc ctctaaaaag tccaggcagt gcacaggctc tgacatgatg 360
aagtgcagtg ttgtatgggt gattttgcag ctggccaaat agtcactggt tgattttacc 420
cagcaggaga tttttgcasa aatttctctg gtgagagtga aatcaaacct ctattttgnt 480
tctctctctc sagctgnagt taagatggat taatgagtac ttttagatta attaactctg 540
aagagaaaaa gggagaaaaa tgaggaaagg tgtggcaga agtcattgct ggaatccttc 600
tgaaggagat actgacttca ctgcaasaga cnagagacta naagacaatg aagttaaact 660
tggcctgtct ctcatatgat agatgctgag agtcaggntc agggaaattt aattctgtca 720
taccgatatn ggattatgtg gtcattggatt tgttggcact aaccngcctn taatcagnat 780
aagaaaagtg ttttggtaga naaaagaaat tatggcccag aaaaacctgg aanacttggg 840
aaaaatgnln gggggccttg ggtggtggtc tnaaaanacc ccttggggat ntttaaaaca 900
aaantgaaga agggaaaaat ntttccccat nttttntttt ttggccccct tgggatttgn 960
ttttntttcc

```

970

<210> 740

<211> 739

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(739)

<223> n=A,T,C or G

<400> 740

```

gntgtcnaaa aagcaggctg gtaccggctc ggaattcgg ggccgcgtcg cggcccttgg 60
tgccactagt tctttcattc tccccncca tcaatcagtg aactttttag cctactcaca 120
gctttgtctc aatgcatagg atttatgatt gtggggattt ccagataata taaatattca 180
acatgaatat tttaaattaa ggcattgagc atttttcta actgagcata gccatgaacc 240
tctcagctct gttctctctg gncagtttgt agcaatgaat acagcagccc tcttaaaagt 300
ccaggcagtg cacaggctct gscatgatga agtgacgtgt tgcattggtg attttgcagc 360
tgcccaata gtcactgggt gatttttacc agcaggagat ttttgcasa atttcttggg 420
tgagagtgsa atcaaacctc tattttgttt ctctctctga agctgnagtt aanatggatt 480
aatgagtact ttttagattaa ttaactctga agagaaaatg ggagaaaagn gaggaagggt 540
gttggcagaa gtcattgctg gaatccttct gaagggagta ctgacttcac ttgcaaaagc 600
aagagactan aagacaatga agttaaacct ggctgtctn tcatatgata gatgcttgag 660
agtacaggnt cagggaatatt ttaattctgn catcagcata ttggattatg tgggtcatgg 720
ctttgttttg cncctaacc

```

739

271

<210> 741
 <211> 1171
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1171)
 <223> n=A,T,C or G

<400> 741:
 gccttgnggt gacactatag aacatgtttg tacaaaaaag caggcttgta cgggtccgga 60
 attcgccggc gcgtagcagg cocttnttgc cactagtctt ttcattcttc ccccccata 120
 atcagtgasc ttttttagct actcaaaagt ttgtctccat gcattaggatt tatgattgtg 180
 gggatttcca gataatatat atattcaaca tgaatatttt aaattaaggc atgagacatt 240
 tttcctaact gagcatagcc atgaacctct cagctctgtt cctctgtgtc agtttgtgac 300
 actgaatata gcagccctcc taasagtcca ggcagtgac acgtcttgac atgatgaagt 360
 gacgtgttgc tatggtgatt ttgcagctgg ccaaatagtc actggttgat tttaaccagc 420
 agggagtttt tgcataaatt tcttgggtga gactgaatc aaactcctat ttgtttctc 480
 ctctgcaagc tgtagttaag aagggtattt tggagtactt ttaagaatt aaattaacct 540
 cttgaagaa gaaaaaatgg ggaagaaaa aaagtggag ggaagggn ttggttttgg 600
 gccnaaaaaa aagttccaan tttaggcntt ggggaaaaat tccccnttt ccttggnaaa 660
 aggggggnaa ggttaancct tgggaacctt ttccnnccct ttngggccc aaaggggaa 720
 ccanggggaa agaaccttta gnaaaggaa accatttgg gaanggttt naaaacctt 780
 ngggcccccg ggcctctctc ccaaaaggga aaaaaaagg cctggaaaaa gtaccagggt 840
 ttcaanggga aaatttaaaa ttcttggcca atancocct aattgggaat tatgggggg 900
 ccatgggctt ttggttttgg cncittaacc cgcnttttaa attcaaaaa aaaaaaagg 960
 gtttggaaaa nnaaañnaaa aaattnaaa ggcaccnaaa aaaaacctg gaaaaacctt 1020
 ggaaaaaaat tngnnggggg gccnttttgt tgggggggt tnaaaaaacc ccttnggggg 1080
 ttttttaagc ccaaaagggg gggaggggna aaanggtnc cttntttttt ttttngccc 1140
 cocttgggga atgnttant tcanggggcc c 1171

<210> 742
 <211> 739
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(739)
 <223> n=A,T,C or G

<400> 742
 gntgtcnaaa sagcaggctg gtaccggctc ggaattcgcg gcggcgtgca cggcccttgg 60
 tgccactagt tctttcattc ttcccnccca tcaatcagtg aactttttag cctactcaaa 120
 gctttgctcc aatgcatagg atttatgatt gtggggattt ccagataata taatatatca 180
 acatgatat tttaaattaa ggcattgagc atttttcta actgagcata gccatgaacc 240
 tctacgtct gttcctctgt gncagtttgt aqcaactgaat acagcagccc tcttaaaagt 300
 ccaggcagtg cscaggctct gacatgatga agtgacgtgt tgotatgggt attttgcagc 360
 tggccaaata gtcactggtt gattttaccc agcaggagat ttttgcassa atttctggg 420
 tgagagtga atcaaacctc tattttgttt ctctctgca agctgnagtt aanatggatt 480
 aatgagtaact tttagattaa ttaactctga agagaaaatg ggagaaaagn gaggaaggtt 540
 gttggcagaa gtcattgctg gaatccttct gaaggagta ctgaactcac ttgcaaaagc 600
 aagagactan aagcaatga agttaacctt ggcctgtctn tcatatgata gatgcttgag 660
 agtacaggnt cagggaatt ttaattctgn catacgcata ttggtattgt tgggtcatgg 720
 ctttgttttg cncctaacc 739

272

<210> 743
 <211> 610
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(610)
 <223> n=A,T,C or G

<400> 743
 ctgtcccttat ttcttttagca aaaattttccc aagagaagaa ttgctgggat aatgcacatt 60
 taaattttttg atagacattc ccaaatatta tccctgtttt tgagacottt aattcctgtt 120
 gtcaaatgtc cctatatatg gagtaataaa caccgattta agaatgagg actaaaaaaa 180
 gatttatatat aacccaacat aaaggcaacc tcttaggggt tgacagaaac tgacaacttt 240
 ttatctgttg gtgcgatcca ttataagtaa cctgagcacc ttattttttc tttttaaact 300
 ctaggtagga taacccgagg ccacaaattt ttcataagaa atattttttc tctgcccata 360
 gagattttta aaaatattat actgcctcaa ttgcatacaa agaatggac cctaataatc 420
 atgatgaagg atttggagtt agaagacctg agtttcuatt ttggcatggc tgtttgtcta 480
 gctctngat cttggacagg tcaattgaet tggcttaate ttatcatcca tttagnggag 540
 acagcaccac tattcacagg actattgnen gaattaccag acaatagcat aggnaaaaat 600
 ataangcctt 610

<210> 744
 <211> 127
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(127)
 <223> n=A,T,C or G

<400> 744
 ttaacctccc tggaccgggc ccccttccc cggggcgntc cccggggctg caggaaattct 60
 gcacgagggg gagagagttt gagagagaga gagagagaga gagagagaga gagananaga 120
 gagagag 127

<210> 745
 <211> 458
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(458)
 <223> n=A,T,C or G

<400> 745
 gatateccgg gattcggggt cgcgtgcagc tggcctctag tttgtcctgg tccaaagcag 60
 ggaagctggg ctactgctc cccaggctcg ccttaggtta agggctgcct gggggaggga 120
 acttctctgg ccttcgggtc tctgtgcact ggggtggctc ctgtggccca gaatgccctg 180
 gagaagggtc ctactggaag cgaaggtgca gggcagcagg gcttgaggcg caggagctgg 240
 tggagggtcc cagtcacagg cggccgccca gtcacatcac tcttgatggt ggggggactt 300
 ggggagtttc ccccgagaat gggaggcttc acagtcctcg tctgcactg ctgtcgggtg 360
 actgngneng caatgtgctc atggncaett gctttttctc tgtggccccc gcagatttat 420
 ccagcanngc accctcttc tctctctcgg anaagcc 458

273

<210> 746
 <211> 893
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(893)
 <223> n=A,T,C or G

<400> 746
 aagcagggtg gtaccgggtc ggaattcggc gcccggtcga cgtggggagt tagctctctg 60
 gaccccggtc tagagtaagt catcgataga gcatttgctt gatggggact tccagaaggc 120
 canngaaagt cctgcggact tcttggggaa gcccatccgc acgtggggtg aggggtccca 180
 natggaaaga gctgtgtatg cggggagggg gcagaggctg ctgccaatgg gcattgtccct 240
 tacctgaaag ggcacactct ccaggtgaca tgtcctgggg gagccggggc cgtctgctcc 300
 ggccagaggc gctcagctca ggcacacaca ggcagggcac ctcccaacct ggacagggtg 360
 ggaccagggt ggcttggac aaaactctct gtgtttgcca agcaccacat cggacacaga 420
 gactcaacca caccacagtc acatgggtgc cacacngcag gggtcaagga ggcccgggcc 480
 ctccacctca gaagtccttg ggctctctgg agtcagcaag gacgaggagc gcattgacct 540
 tegagacagg aaggagtgta cctctcccg gggcctcca ggtcngctt ctccggagag 600
 gagagggggc tacttgcctg ataaaneggc cggggccaca gagaanaagc aaggtyacca 660
 tgagcaactt gcaaacacag tgcaaccacc agcatttnag caccngggac tgtgaagacc 720
 tccattttct tgggggggaa acnngcccaa ngttccccc accntcacta gtgaattgtg 780
 acctgggggn cgggcagacc cctgtnctt gggnagccc tccnccagg tttctnaggg 840
 ngccnttaa nggnccctng nttggccctt tggccnctt tncgttttc cca 893

<210> 747
 <211> 738
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(738)
 <223> n=A,T,C or G

<400> 747
 gatctccggg gaattcggc cggcgctcac gaagcacaga cctgngccct gctctcatgg 60
 ggcagactgc catctgtcat tnattracta aggaaggga tctcagttt gcttgtggcc 120
 atttcaaat ttgggtgaga gttggataag taagaataaa gctgtcttcc aaagagatga 180
 atatagaaaa agaaacaaga tacagncttg gcagtaaggc tgggggggag gggaaaaggt 240
 aataaagaat gaaagagtga gaaatgtgag caggagctga acacagaaaa gttcagngac 300
 agaagcnaaa ggagggaaga agggaggagg gtccctttca cagaggctca caggatgct 360
 ttatgngtgc catgcagtc atgttcagga tgtctgcttc ttanctctct actttctaa 420
 tanaaatttg gatacttact gatcctacat atgtaacagg gagagaagg gtatttcaaa 480
 gcantaaatt gaaaaattgt tcacaatttc attttttaa aasagggagc taacagaaga 540
 agaggttaac gtggtaatta taggatgnet ctggagacac atgaatgnat ctggtatcat 600
 ctgagtgga ggggagctgt cttcctgacc caaagagatc ctttcttan ccngnactta 660
 ngtcccaaaa cctcaccacc ttggagaaat natctctt tgggggtatc attaaacct 720
 ttgggncccc gcaaaagc 738

<210> 748
 <211> 647
 <212> DNA
 <213> Homo sapiens

<220>

274

<221> misc_feature
 <222> (1)...(647)
 <223> n=A,T,C or G

<400> 748
 ctntgtggcg gtggtgtgtct catttgggtg gacttttttg gtcttaggaa cctgggtatng 60
 aggtcgagag taagacgggc tattagttag cgnatcggag ttatttgtga aaactcgggt 120
 agggcctctg tctcgcgtgc gctcgcttaa attggtatgg ctgcacttgg aaacacgggt 180
 ctaacaecgc ttgttagcgc ccttgcctag atgtgaaggc cactggccct accaagaaag 240
 attcgagtcg ctccctccgg tatcgttcac ggaggcgata ttactcttc ttactacggg 300
 tacttcgaga ttgtctgtga agtttaagac tactaaaaag agtattaagc ctatcgggaa 360
 ttagtctagt cgacacgcta aaaccaaggc caatcggcgg aaatataagc gcaccaataa 420
 tagggcctac agagggcccg aggggttagc tcacglttaa taccggccac gggagaaata 480
 aaaagataaa gtatacatcg tttagcggtc ctcggaagcc ttgggtttta atgccaagga 540
 gtcggaagca tegtccgaga gtaataaact ccacgcgcc gagactatct acgacgcctc 600
 ccttaanato cgtaaattac tcccggaaag agtatttagg cggctct 647

<210> 749
 <211> 642
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(642)
 <223> n=A,T,C or G

<400> 749
 ctntgtggcg gtggtgtgtct catttgggtg gacttttttg gtcttaggaa cctgggtatgc 60
 aggtccggcg agcgtgggct ctgctcgtgg atgttggggg ttggtgtggt gcgggttgtt 120
 ttgtgttctg ttgagcgtag tctgtttgaa ggttagcggt cgtgtcttgc ttgtgtgttg 180
 gtgttttagg cgggtgggga ggttgttgc tagctgttgt atgtcatatt gttgtgtgtg 240
 ctgcctctgt ctgtttgtcc ttggttattg tgggtgttac ccgcctctgt tggaaagtgt 300
 gtggcagggc ggaatttaa gtggagagt tgtgggaccc gtggtgtgtg ttacgttgc 360
 gcttttctg ttggcgggtg cggcgcgtct gataattaga attggatacg gagtgtataa 420
 tacttctagt aaatggggac ctagtgtctg acttcccgga ataggatct atgccaagtc 480
 cttaggtag tctttgataa gtttaacgcc cagcacccta aaattataca cgtattagac 540
 cataacgact cctccaggaa agataaagaa tctcacatat agaacgggac cccatacacg 600
 toggatagga aacaagagaa ctsattttng ttaaaaagac tt 642

<210> 750
 <211> 639
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(639)
 <223> n=A,T,C or G

<400> 750
 ttgtgtggcg tgggtgtctca ttgtgggtga tttttgggtc gtaggtaacc tgggtatngag 60
 gtatagatgc cgtattgtcc cgacgagcgt cagcgtataat tcggtagttt cgcctttttt 120
 agaaggcgt agtactcgga acttcacttc atctcgttag ttacttttg cgtatatagc 180
 cttctccctc gaagactagc cgtcacattc gttccctagg aatcgtttct gcccttaaga 240
 atccagagac gagatcccca acctagagga acctagaag agtcgtatct ccacaaggac 300
 cccacagtea ttccgggaaa atccctagga ccatacgggt aggatcccc cggaaacccg 360
 agcaaaagct atgatttccc acaccgcgag agcgcctata accctatccc atttcttcgg 420

275

```

gttatcgagg atattacgat caagccgaga gaacccctag aaccgcttcc ttcgctttct 480
cacggaaacct ataagtagaa agagaaactc aggtcttaag gggcgcttc ggctaaagaa 540
acttctactt acgaagagag tatctagaca ttaegtcata aaatccact acgcacctcg 600
tgtacgctat catcggyagc ggttcataga cgggtgctcg                639

```

```

<210> 751
<211> 637
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(637)
<223> n=A,T,C or G

```

```

<400> 751
cttttctggc gnggtgtct catttgggtg gatTTTTggg tcttaggnaa cctgggtatg 60
aggcagctct gagccccccc ccccccccc ccccccccc ccccccccta gngggttggg 120
aancgggtgg atacctaaat cgaagtngtt cattaaaagt agttgattac nccctaaaat 180
aanaanaggg ctctgtcggg aaaaatcggg aagganaagt ctttntggca tcataanaat 240
actggctcgg gtctaaanat nttaagngg gtccccgagg gtnttcatac cgataanaaa 300
cgttttcccta tgggcaacgg gcttacctga gggnggaact ctccggnggc gnggattnan 360
acgaanaagt agaggattnc cgtacttnt tganatcacn cgtatcatac ttgtaagcat 420
aatntctctg aaaaagtgtt taanaatacg cncgcataat cgttttttct tctaggggat 480
gottaaatgg cgatactgct atagcgggtg agcgttgggt ctccagnaan aaagcgtgtc 540
ctaattgcgc taaggnttta aggcgttgg tttaaaaata accttagaaa cctcgaggcg 600
gatactggtt tntttttaac gaacaaaagc accccnn                637

```

```

<210> 752
<211> 644
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(644)
<223> n=A,T,C or G

```

```

<400> 752
tntgtggcgg tgggtgctat ttgggtggat ttttgggtcg taggaacctg gtatgaggtc 60
ttcgagagttg ttggtgtgtc ctgtcgttcg gtggttccct tttagagtgga gtttgtcctt 120
tgagggttgtt agctgctgtt cgtttgtgtt cgtgtagtgc tttaggttga gagggttatg 180
gtggtgggta cgggtgtattg tgcctcgtcg tgcgggggtt ggggtggctg tgggttttgt 240
ggttcatagt agtcttctgc gttegggtgt ggggttttgy gtgagtagtt tegtctttgg 300
atgtcccaat gaacgcctat aatctaagta agggttagta gaacctctc ccgatagac 360
acaaccgtcg tccactaaag acctgcctc tgatttttaa aaggacccga aaaacatccc 420
ttcaacggaa aaaacggaaa aaaagtcagc gaattcaag aagccacggg agagaaaaaa 480
gaactaaagt tagtccgtca ttatatgtct cctcgaggga ggaagcggcg gtggcggaaa 540
atgaggcggg aagaagacg acctctatcg ggggttang ccctaaaaag gcgatacctt 600
acgggtatgat aaggaccta ggaagcctcc ttctgggacg gtcc                644

```

```

<210> 753
<211> 635
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

276

<222> (1)...(635)

<223> n=A,T,C or G

<400> 753

```

ctttgtggcg gtgggtgctca ttgggggtgga tttttgggtc gtaggaaact ggtatgaggg 60
aatcagctcg accccccccc cccccccccc ccgaagcaga gcccaaccca aagtcacccg 120
actacccgag taacctctcg gagggtagaa taagaaggag taggtcctag ccaatagaag 180
tagttcccgag ccgttagggac agcggacgga acattnaaga aagagcctat attagggagg 240
aagtaacggt cctcttttcgg agtctcttaa ggggtagtcg cagaacaagg gaagaggacc 300
cgtcggctat tgcctgtcga tacgggtctc cccggngagc ctagggttca ggatagggcc 360
gtcgtaaaaa ttatacgggt tccgagaaac gcttccgtag accgggtctc aaatcgctcg 420
gagtatagg agagggatcc ttgggacccg agggacagag agagggagaa ggaggttaca 480
ggagggagaa gtnctctcnc tagttttctt tangtcgaaa aatttcttac cgatagggtt 540
cctagggtcg gngaatctac ggttcgaaaa accgtagtnc ctaanggmtg ntatnggggg 600
tagtatcggg tegtttacaa ntctctccgc ttntg 635

```

<210> 754

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(721)

<223> n=A,T,C or G

<400> 754

```

accggattng ttncgtgagcg cgtgaactgct aataaaaaag atggantgcc atcttttttt 60
ttnccttgct ttatatatcc agcagcaaaa caaaattggt ctgcnngggt ataaaaattg 120
gcttgtagt cntgtacaca actcaggagt gtgacacagc taccagcttt cctcctaact 180
ctcaaggga gaaaattcaa gttctgtcta ggtcactct gttaaagtgg aaacttgctg 240
gttttgtagg ctttttttcc ccttctttcc ctctctcagc ttctccctgc ttctcagaa 300
atggagtgt gatgcctgca acttaccaaa ttatctatg aatcagatto cagtgggaga 360
ccctaaaag agagggagaa taaggagtgc tcccatgat ggaatatc caagacaag 420
gtttcatgga gaaaagaatt ctggctagat ttggtttgta agtggatccc tccccactgc 480
gtgtacactt tatctgtctc ttgtctctt cccacccctc ttcccaagct ctctctctgt 540
ctctctcttg ntccctgac ctttttttct tccantgca tacttttttn ttccctttt 600
ttaatctct atantcttaa nctacccaan gggccctcnn gannaatttn tccccctga 660
ataggggatt cntnangccc tgagaatttc nttatcnaaa aaatattttt ttaaaacatt 720
a 721

```

<210> 755

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(721)

<223> n=A,T,C or G

<400> 755

```

accggattng ttncgtgagcg cgtgaactgct aataaaaaag atggantgcc atcttttttt 60
ttnccttgct ttatatatcc agcagcaaaa caaaattggt ctgcnngggt ataaaaattg 120
gcttgtagt cntgtacaca actcaggagt gtgacacagc taccagcttt cctcctaact 180
ctcaaggga gaaaattcaa gttctgtcta ggtcactct gttaaagtgg aaacttgctg 240
gttttgtagg ctttttttcc ccttctttcc ctctctcagc ttctccctgc ttctcagaa 300
atggagtgt gatgcctgca acttaccaaa ttatctatg aatcagatto cagtgggaga 360

```

277

```

ccccaaagc agagggagaa taaggagttc tccccatgat ggaaaatato caaagacaag 420
gtttcatgga gcaagaatt ctggctagat ttggttcta agtggatccc tccccatgc 480
gtgtacaatt tatctgtctc tttgcttctt cccacacctc ttccccagct ctctctctgt 540
ctctctcttg ntccccgac ccttttttct tccantgca tacttttttn ttccctttt 600
ttaatcttct atantcttaa nctaccaan gggccctont gannaattin tcacccctga 660
ataggggatt cntangccc tgagaatttc nttatcanaa aaatattttt ttaagacatt 720
a 721

```

<210> 756

<211> 873

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(873)

<223> n=A,T,C or G

<400> 756

```

ggaagaatac agtaagtttg caaattaataa tttctctatt tttctgttat ttattcattt 60
ggaactgttc agcctgtctc ttccactttg ggcaagtga agcaagagc tccagtcta 120
tcagcaatta ggetgaaagt caacgccaa ctggggggca agggctggtc tgagttagg 180
ttccctaggg aggcagaga gagactcca ctgctatctc ccagctcggc aactgcctga 240
atgccaatga gcaactatta taacccggcc tattttatag gatttaattt tacacttcag 300
gcttaatcag tctgaaagt aaactgacag tgtaagta oggaatcaat gacatttagg 360
ctttatgact ttgtagctga atatctatgg gctatatctc cattctaaca gtgatatcct 420
gttccagaat ctcaattcttt ggtgatggca cttctctagt ggcagtcact ggtaacagtc 480
cacacccatt accatgtggg tgctttacag catactgacg gaaggactga ggagccaccg 540
gagcaggagt tctctctcagg gaggacgctg acacttcacc agctgcttan gtatgggac 600
ctgatgccaa cgaanaaccc aaagcgtctt ccttccaga tggagagctg cccacactgg 660
gctgacagca tctggagctg ctctggctca aatccggaa tgcacacnct cctanccggg 720
ggctttanag atcctcnggg ccagctaccg accacttttg acaagggmct taggagcgat 780
aactagnctg gctggttaca cncggatgga acgtcttggc cttgagacct cttgggggan 840
atggcccccc caaataaatt gggaaaattn ggg 873

```

<210> 757

<211> 782

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(782)

<223> n=A,T,C or G

<400> 757

```

ggccccctga gggatactct agagcggccg ccgactagtg agctcgtcga cgatatcccg 60
ggattfgaga ccaggagaca gctccagatg ctgtcagccc agtgcctggg gcaggcttcc 120
atctgtgaag tggagaggcg ctttgggctt cttcgttggc atcagggtgc catacctagg 180
gcagctgttg aagtgtcagc gtctccctg agaggaaact ctgctccggg ggtcctcag 240
tcttccgtc agtatgctgt aaagcaccac catggtsatg ggtgnggact ggtaccatga 300
ctgntccctt aaaggtggg cttcccaag aaaggagaat tcttggacna gggatttcac 360
ttgnttagaa atgggaaaaa ttaccacatta gaattttcgn ttccaaggcn tnaagnctca 420
aaaggccctt gattcccgaa ccttaacctt gggcagttaa cctttcaaac gggataaac 480
ctgangggga aaatnaaato ctttaaaaaa gggggggttt naaggagggc tctttggctt 540
tcaggcantt gccaacctgg gaaattcana ggggaagtat ttttttttgc ctgcctaggg 600
aacctttaet taaacnaacc cttgnccccc cctttggggt tgactttcan cctaattgct 660
gaasggaccg ggcggnnttt gntttccttt gncecaaaag naaanaaacg ggtgccantt 720

```

278

cccangggat tanttcccca aaatttggan aatttttntt tgnaaactttt tgggtttttt 780
cc 782

<210> 758
<211> 647
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)... (647)
<223> n=A,T,C or G

<400> 758
nittgtggcg gtgggtgtctc atttgggtgg acttttttggg tggtaggaac ctggtatnga 60
gggaagagcg ccgtcgggccc gaggacagta tggagtagta tagtcttcgc gccctctcgg 120
gcggcggggc tattctctcc aaaggcagag gtcccttagtc gacctcgcct cccctaggta 180
ggaacagccg tcgaatatatt taggttcgtc gaggctttct tccgagctct ccgctaaagt 240
agctccgcga gcaaaagtac ggtcattttc ccctatccat cactccctca agtaacgctc 300
attattccgg aaggcaagag gccagcattc ctcccttagag tagagggtag gtacctccgt 360
cggtgcgcgc gaaggggcag agcttcgtgt ctccctccg cagcagctta acggtctacg 420
taggggtttc cgtctttttc accggaatcg gggtcgggga gggcggcgga aaacgtcgac 480
gtctcgggta ccgtccgcgc ccgaacaaac tagcgggttt ccgctttcaa ctgagggaacc 540
ccgcacccct cattagcgtt taccgaatcg gggangtgat tgcgcacaatt cgttagcctt 600
cgataaattat tctctattag ccgtccctac tggcgcttcc gatttat 647

<210> 759
<211> 657
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)... (657)
<223> n=A,T,C or G

<400> 759
ctttgtggcg gtgggtgtctc atttgggtgg acttttttggg tggtaggaac ctggtatnga 60
gggtctctata gaagagcctct tctctttaga taagggtttt ctggctcttc gttctggaag 120
tgtagtagta ggtactgcgc gaaggcgaag agtcccttca aggacgattt acttaagttg 180
gcttattcta tagttccttc gggacataag gtccgtaaga tctatactgc gtgggaagct 240
gataggttgg gacttaaggc gaataagaag gaggcggcgg aggtcgcgat taaccgcagag 300
atattattta cggcggccgc gggtaacgcg ggtcatgcgc aaattttctg aggttcttgg 360
attcctaaga tcgctcccggt caggtatact agcgaacgaac gtaagagtgc cctcacaaga 420
acgggtacaa actcaagaag aggttcccat taagcatcgt aagaacgggt aggaacagga 480
cggtagaag taatcggaga aaggatccta gtngttaaga agaagcatcg tttagctact 540
ttgcgtacc gtttatattt agacgtgttc cgtccttctc cgtgtttana aaaaaggttt 600
attccgacgg gagacttagg cgaatggagg gttccgggt tgaanaatcg ancgggg 657

<210> 760
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)... (644)
<223> n=A,T,C or G

279

```

<400> 760
ctttgtggcg gtggtgtctc atttgggtgg actttttggg tegttaggaac ctggtatgna 60
ggaaaagaag taagctctga agcttatctc cgaccgattt tatttcgcag aagacgggaa 120
tacggacgtc gtttaacccg agtagccccc gtaagaaagg actaaagcga atggaaaagt 180
cgggaattcc ggcggagggg cggcgattac tgaaggaggt aagagtaaga ctattgcgat 240
acttgaggcg ttccctctta aaaggcaccg gaaacactct attaaaaaac acccgagaa 300
gaacaactca tgcgatcggc cgtgtgcagc cgtcaatagt aaagagagcc atgaaccatg 360
ccatccttag acaattagg atgaagaaga ggaggaagat gaggaccaaa cctaccacac 420
tcggaaaacc ccgcacgagc ctccgaacaa aatccgggaa ttaaacggc ggccacttc 480
cgcactctcg tagcgcgagc cgaatagaaa accggaacct acagctaaag ggtcctttcc 540
ggcctgttat ctaccaccc gcaatccgat cctcccccct cctcgtccaa aaacctaac 600
ctctgoggca acattagagc gaaggagag gcgatccct tgan 644

```

```

<210> 761
<211> 647
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(647)
<223> n=A,T,C or G

```

```

<400> 761
ctttgtggcg gtggtgtctc atttgggtgg actttttggg tegttaggaac ctggtatgna 60
ggcgggtact ctctgggata atcgggtataa gigtgtgtaa attgggggta agagaaagt 120
tcattataag aagtgggaag acgagccggg gtgttttagt gtttaattta agaccggtt 180
ttgttgtact tatatagctt ggcggtgggg aggcataaag aaacattgct ttccgaggcc 240
ggatgcgggg aacctctctc ggggtctaga gcgcgcgcat tgcataataa ggaactactg 300
cgccgctcat aacgtactca acaatgagtc ggcttgcatt aagatttccg cgaagaaccg 360
tactgcgtct actgatagta tattgcattg atagcggcat gacgtttatc acgtgtcgtt 420
ttcgggttgt aagaaggag ttaagtcgat ctccgaggaa gaagagacc ccaataaaaa 480
atgactcaaa aaacactaga agaaaacga cgaaggaaa aagaacgtta aaactagag 540
ctcttcggan gagttagctt agtagggtaa gtctccgtg cgtactgtcc taaggttttg 600
atagcgcggt tgaatagacg gtcacgcgtc agaaggtaaa aancgg 647

```

```

<210> 762
<211> 628
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(628)
<223> n=A,T,C or G

```

```

<400> 762
cattgtgttg ggtcactga gccaccttt ttccagattt ttgtaaaaat tgtttcgcat 60
tgtgttccct ttattgcctt gtattaatat ttgcgtagtg gattaaacaa atacttggtg 120
ttgactgtca gtcttagagg actgactaga agtagttttc atttgggggt caggaaatac 180
ctacttkata ttcttagcta attaggaag tcatttttca gtttaggttg tgttttggtt 240
caggcactcg ctagctagat gacctaacat gctacttaat ttctgagtgt ttgtgtccat 300
ccctgtagga ttgttgcggg gttaaatgaa atttgttata ttgttaaac atttaacctc 360
gtgccagagc tgtgacagag tagattatta ggccttgcct tatttctgtg attaaattta 420
gtgtcagatt agcaacctat agctacttct aaagctgctg ctgctttctt tgttttaggt 480
taggaagaaa catgctggac agtttgccaa atgagagtta catgatgtgg cttgtgggaa 540
cattctaact tggaaactgc ccatttcacg gactttgngg ttcanagatt tttggggata 600

```

280

gatgtaaggg ttasaaaaaa cngaaaac

628

<210> 763

<211> 147

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(147)

<223> n=A,T,C or G

<400> 763

cattgtgttg gggcagagat aataattcc tctgaaaagt gttttattgg aatttcaaat 60
 gaaaagctaa ctggataact tacagcatgt ttctgcaat aatctcttan aacagggctc 120
 ttttttttat gcacaccacc ttctggc 147

<210> 764

<211> 146

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(146)

<223> n=A,T,C or G

<400> 764

cattgtgttg ggtatgttt ttgaaggcag gtggacagga ttctctgatg ggtaaatggc 60
 agagttaggg gaactgttag aacagagaaa.gaatctatgg ggttgggttt gactctgatg 120
 mnnaactggg gccgnntgct cagtat 146

<210> 765

<211> 129

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(129)

<223> n=A,T,C or G

<400> 765

tnncgattc gntactagcg tntacactna tgtcttggtt ccgagctcgg atccactagt 60
 ccagtgtggg nggaattcca ttgtgttggg gcaggaggng ctttgngtac ngtgcggctg 120
 nagaggcgg 129

<210> 766

<211> 175

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(175)

<223> n=A,T,C or G

<400> 766

281

```

cattgtgttg ggctagttc gaatactttt agtaacttca gacagatctc ctcattctctt 60
ctctggggctt ggnntttctc ctttgtnaaa tgatgccttt ctgtgggttt gtcattttcta 120
acattctgtg ngtgatgagg tgttatattcg anganctcta tcnccanagt actct 175

```

<210> 767

<211> 602

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(602)

<223> n=A,T,C or G

<400> 767

```

nnntttaaaa netgtntctc cggcggtggc ggccgctcta gaactagtgg atcctttcca 60
cctggtttgt tttcagtggt taatcctatt agtatcagca gcatataggt caggatatac 120
gggtgcagaac ctgtggaatc agccaatttg gcttgctcat ttactttaat aaggteccat 180
aatgagtgg agtacaaagt tcaagccctg ttgaggggtc gcattaaact ctccagaagta 240
tttagagtggt gccaggagcc gcaaggtctt ggttcgggtg gtggcgggaa ctgtattaga 300
gtgctaggca cggcgcgaca aagtcctgtc aacccaaaac ggtgctgagg cgttgggtgt 360
gagctccagt actcagaana gcatctcagc aggtactcaa cagatcctca ggggcttggg 420
ggcccgagac tggcagtgag ggcattgaaag acataaaagg gcactacctg tgggtatttt 480
ctgttctcca aggaggaagt agcaaaaatt aggacgctgg aatatcctat gttgtagcaa 540
tcccagaaca actgatgctc aacaaatacc acacaaaaca aattttttta aatttaactc 600
ta 602

```

<210> 768

<211> 671

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(671)

<223> n=A,T,C or G

<400> 768

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ttggggccag gaaaagcagc tggagttatt cacttagtac catfittaca tactaaacttt 180
gccttttcca tgttggcttg atggcgcttg cagcactgaa gaacagtttc aattgctagc 240
caaccagaga goatgatcaa accaaacsag ttccctgttt caggaaaaac aggttttagg 300
taactgaagg gttaccagtt actgattcca caatcttctc tgcataaanat ttctgacctat 360
tatgcagact gggcggtctt aaanntggta aaactatnaa ataccctac aatattttta 420
nggggccccn ttatnaaget ttccaggcct tcccctttcc atagcatttg tggatataca 480
gaacccctta aacagcaacn egctatcnag gcccaaaagg aaagtaattt tgatttttta 540
nagattccgn aacgaaaaaa tggctgggtt caatacnae ctctctttta aatggnttc 600
cttatttaac nttttttttt ttttaattta ccccatggtc ntgatattag ngttccggcc 660
canaaaaatg n 671

```

<210> 769

<211> 677

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

282

<222> (1)...(877)

<223> n=A,T,C or G

<400> 769

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ggtttgtttct tcacttggct aacccctctt ttacttaage acaocttgaa cattccctcc 180
ttccccattt ccccgagng cccctaattg acatacttct gaataacaca ggtgggtattc 240
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aagtccgggt ttgccttacc tcttgtctaa caccatgcag taggtaacat gcagtaggaa 480
acatggcatt aaattatttg gggtcaaata ccagttatgg tgtgtaaatg cctaccaggg 540
cgtgaggcac ctgctaaaga ggttgcaagc atcatttgaa ttcaacacac ccttttgcaa 600
tgaacagat aggcacaga ggttcatttg ggtcaaggaa ttgatggag gggaaagtgc 660
aggtatccca ccaaggcttc anggcccagg tccanggacc atgtctgttg tgacaactgg 720
agtgcatttc atatccctta ctctgngggg naaggtccct cncgnggaga acnnttaaaa 780
caatcatntc tngggggnnt aatgcttctt nccccagtgt ggtncactgc ngccacagat 840
ccanccact agtccanct ctgtcatgaa ccancoc 877

```

<210> 770

<211> 874

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(874)

<223> n=A,T,C or G

<400> 770

```

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gaattcggcg cgcgctcgac cttttcaaaag gtttaacttat ttaattatca canngcaac 120
ccgtagtga gtaacagta ttttaactgat aggtactcta aagaaggagg ctaataaat 180
tgcccaattt cgaacagtg gaggaagaat taggattgaa acacatatag tggcttcaga 240
atctgtaacc ctacagatgc cactactact tctttcagaa taccctttgc ctatctattc 300
tgttccatg tcatcaaat atacttactt taaaaagtat ttgtctttat tttttttaa 360
aaaacacagg gaagtatttc tgatcagggg cagtattggt tctgaaagac aagccagtgt 420
ttttgagggt ttctcccttg ccagtttttc tatgctgggt tattcaagtc ctaagaattg 480
tgtagctatt acagaaccgc tttagcaaat gtgttccatt aatcaagggtg atttataaca 540
aaatttcatc caagtttgga gtgctctgaa aacatagcca aatgttgcg agggctctacc 600
cctctcgtgt gtcccttttt tttagctatt tcagaagcac actgggtgca ttttttacga 660
aatgagtttc ttccctttac ctctgcctcc tctaaagaaa aatcattgnt gttttatgaa 720
natgaanac ctgctatttc atatcttgat tggagctgct taattaaatg accattttta 780
aatttgtttt gattccnnqc aaaaaagtt tnttnttgga tgtagggggc tennaaagnc 840
caaaaccccc caaaattttt nnttgggaac cnaa 874

```

<210> 771

<211> 156

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(156)

<223> n=A,T,C or G

<400> 771

283

```

rtaaaaanct ggnctccccc eggigggggc cgtctctagaa ctagtggatc cactagtcca 60
gtgtgggtgga attcggggcc gctctgaccc cgggggggtcg cctttttttt tttttttttt 120
ngtttttttg aanaattcat tgggtattta ttattc 156

```

<210> 772

<211> 586

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(586)

<223> n=A,T,C or G

<400> 772

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tgggtggaatt cggggccggc tcgatcacaa agtgcacaca agtcnngnat ttattttatc 120
tcagatatg aaaattaccc ccagctatgg tctctatatt gtattttaat ttctaggcca 180
attttttcca cttgaatgtc agtattttta ttcaaagtca ccttgctcaa ataccaagtc 240
atcaacttac cctcaattta tatctcattt cagaasatct acatctatta atggtagcta 300
ttttatccct gccccctgct ttttcttttt atatttaatt aatttgntca tcagacaaat 360
gtttattgag caggtattgt aggtataaca attctanact ttaaggggac acagnttgca 420
aascaaaatc ctgccttgna tggatactta tgnnatggng ggatacagac aatcaacata 480
atgagnggca tcatatstaa tggttagnan aatgataagg gnttttggga aaaaaatgca 540
ccncccaan asggattggg aagtggangg ganggtcang ggangg 586

```

<210> 773

<211> 2983

<212> DNA

<213> Homo sapiens

<400> 773

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catgggagtt ccaaacgggc agtcctgtgt tccggcgagg acaggtgttt cacctggggc 180
tgggtgctga ccagcccta caatctacc accaactgaa actggaattc agcacagggc 240
egaatcctag catcgccaaa cacaccctgg tgggtgctga cccgaggagc cctcagacc 300
actacaactg gcaggcaacc cttcaaaatg agtctggcaa agaggtcaca gtggctgtca 360
ccagttcccc caatgacatc ctgggcaagt accaactaaa cgtgaasact ggaaccaca 420
tccttaagtc tgaagaaaac atcttatanc ttctcttcaa cccatgggtg aaagaggaca 480
tggttttcat gctgatgag gacgagcgca aagagtacat cctcaatgac acgggctgcc 540
attacgtggg ggtgcccaga agtatcaaat gcaaaccctg gaactttggt cagtttgaga 600
aaaatgtcct ggactgctgc atttccctgc tgactgagag ctccctcaag cccacagata 660
ggagggaaacc cgtgctggtg tgcagggcca tctgtgctat gatagcttt gagaaggcc 720
agggcgtgct cattgggaat tggactgggg actatgaagg tggcacagcc ccatacaagt 780
ggacaggcag tgccecgatc ctgcagcagt actacaacac gaagcaggct gtgtgctttg 840
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aggaggggca ggtcatggat catgccttcc tctctctcag ttctgagagg gacacagac 1440
gacctgtaaa agagaacttt cttcacatgt cgttacaatc agatgatgtg ctgctgggaa 1500

```

284

```

actctgttaa tttcacccgtg attcttataaa ggaagaccgc tgcctacag aatgtcaaca 1560
tcctgggctc ctttgaacta cagtgtgaca ctggcaagaa gatggcaaaa ctgtgtgacc 1620
tcacatagac ctgcagatc caaggtcaag tatcagaagt gactctgacc ttggactcca 1680
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caataagctt taattaaac tctacttcaa gaasaaaaaa cng 2983

```

<210> 774

<211> 3064

<212> DNA

<213> Homo sapiens

<460> 774

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tacaatccta ccaccaactg aaactggcat tcagcacagg gccgaatcct agcatcgcca 360
aacacacccct ggtggtgctc gaccagagga cgcctcaga ccactacaa tggcaggcaa 420
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285

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tacaatcaga tgaatgtgctg ctgggaact ctgttaattt caccgtgatt cttaaaagga 1620
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gcagaagat ggcacaaactg tctgacctca ataagacctc gcagatccaa ggtaagtat 1740
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attc

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<210> 775

<211> 684

<212> PRT

<213> Homo sapiens

<400> 775

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Asn Gln Asp Asn Ala Val Ser His His Thr Trp Glu Phe Gln Thr Ser
20 25 30
Ser Pro Val Phe Arg Arg Gly Gln Val Phe His Leu Arg Leu Val Leu
35 40 45
Asn Gln Pro Leu Gln Ser Tyr His Gln Leu Lys Leu Gln Phe Ser Thr
50 55 60
Gly Pro Asn Pro Ser Ile Ala Lys His Thr Leu Val Val Leu Asp Pro
65 70 75 80
Arg Thr Pro Ser Asp His Tyr Asn Trp Gln Ala Thr Leu Gln Asn Glu
85 90 95
Ser Gly Lys Glu Val Thr Val Ala Val Thr Ser Ser Pro Asn Ala Ile
100 105 110
Leu Gly Lys Tyr Gln Leu Asn Val Lys Thr Gly Asn His Ile Leu Lys
115 120 125
Ser Glu Glu Asn Ile Leu Tyr Leu Leu Phe Asn Pro Trp Cys Lys Glu
130 135 140
Asp Met Val Phe Met Pro Asp Gln Asp Glu Arg Lys Glu Tyr Ile Leu
145 150 155 160
Asn Asp Thr Gly Cys His Tyr Val Gly Ala Ala Arg Ser Ile Lys Cys
165 170 175
Lys Pro Trp Asn Phe Gly Gln Phe Glu Lys Asn Val Leu Asp Cys Cys
180 185 190
Ile Ser Leu Leu Thr Glu Ser Ser Leu Lys Pro Thr Asp Arg Arg Asp

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286

195	200	205
Pro Val Leu Val Cys Arg Ala Met Cys Ala Met Met Ser Phe Glu Lys		
210	215	220
Gly Glu Gly Val Leu Ile Gly Asn Trp Thr Gly Asp Tyr Glu Gly Gly		
225	230	235
Thr Ala Pro Tyr Lys Trp Thr Gly Ser Ala Pro Ile Leu Gln Gln Tyr		
245	250	255
Tyr Asn Thr Lys Gln Ala Val Cys Phe Gly Gln Cys Trp Val Phe Ala		
260	265	270
Gly Ile Leu Thr Thr Val Leu Arg Ala Leu Gly Ile Pro Ala Arg Ser		
275	280	285
Val Thr Gly Phe Asp Ser Ala His Asp Thr Glu Arg Asn Leu Thr Val		
290	295	300
Asp Thr Tyr Val Asn Glu Asn Gly Lys Lys Ile Thr Ser Met Thr His		
305	310	315
Asp Ser Val Trp Asn Phe His Val Trp Thr Asp Ala Trp Met Lys Arg		
325	330	335
Pro Asp Leu Pro Lys Gly Tyr Asp Gly Trp Gln Ala Val Asp Ala Thr		
340	345	350
Pro Glu Glu Arg Ser Gln Gly Val Phe Cys Cys Gly Pro Ser Pro Leu		
355	360	365
Thr Ala Ile Arg Lys Gly Asp Ile Phe Ile Val Tyr Asp Thr Arg Phe		
370	375	380
Val Phe Ser Glu Val Asn Gly Asp Arg Leu Ile Trp Leu Val Lys Met		
385	390	395
Val Asn Gly Gln Glu Leu His Val Ile Ser Met Glu Thr Thr Ser		
405	410	415
Ile Gly Lys Asn Ile Ser Thr Lys Ala Val Gly Gln Asp Arg Arg Arg		
420	425	430
Asp Ile Thr Tyr Glu Tyr Lys Tyr Pro Glu Gly Ser Ser Glu Glu Arg		
435	440	445
Gln Val Met Asp His Ala Phe Leu Leu Leu Ser Ser Glu Arg Glu His		
450	455	460
Arg Arg Pro Val Lys Glu Asn Phe Leu His Met Ser Val Gln Ser Asp		
465	470	475
Asp Val Leu Leu Gly Asn Ser Val Asn Phe Thr Val Ile Leu Lys Arg		
485	490	495
Lys Thr Ala Ala Leu Gln Asn Val Asn Ile Leu Gly Ser Phe Glu Leu		
500	505	510
Gln Leu Tyr Thr Gly Lys Lys Met Ala Lys Leu Cys Asp Leu Asn Lys		
515	520	525
Thr Ser Glu Ile Gln Gly Gln Val Ser Glu Val Thr Leu Thr Leu Asp		
530	535	540
Ser Lys Thr Tyr Ile Asn Ser Leu Ala Ile Leu Asp Asp Glu Pro Val		
545	550	555
Ile Arg Gly Phe Ile Ile Ala Glu Ile Val Glu Ser Lys Glu Ile Met		
565	570	575
Ala Ser Glu Val Phe Thr Ser Phe Glu Tyr Pro Glu Phe Ser Ile Glu		
580	585	590
Leu Pro Asn Thr Gly Arg Ile Gly Gln Leu Leu Val Cys Asn Cys Ile		
595	600	605
Phe Lys Asn Thr Leu Ala Ile Pro Leu Thr Asp Val Lys Phe Ser Leu		
610	615	620
Glu Ser Leu Gly Ile Ser Ser Leu Gln Thr Ser Asp His Gly Thr Val		
625	630	635
Gln Pro Gly Glu Thr Ile Gln Ser Gln Ile Lys Cys Thr Pro Ile Lys		
645	650	655
Thr Gly Pro Lys Lys Phe Ile Val Lys Leu Ser Ser Lys Gln Val Lys		

287

660 665 670
 Glu Ile Asn Ala Glu Lys Ile Val Leu Ile Thr Lys
 675 680

<210> 776
 <211> 679
 <212> P87
 <213> Homo sapiens

<400> 776

Met Met Asp Ala Ser Lys Glu Leu Gln Val Leu His Ile Asp Phe Leu
 5 10 15
 Asn Gln Asp Asn Ala Val Ser His His Thr Trp Glu Phe Gln Thr Ser
 20 25 30
 Ser Pro Val Phe Arg Arg Gly Gln Val Phe His Leu Arg Leu Val Leu
 35 40 45
 Asn Gln Pro Leu Gln Ser Tyr His Gln Leu Lys Leu Gln Phe Ser Thr
 50 55 60
 Gly Pro Asn Pro Ser Ile Ala Lys His Thr Leu Val Val Leu Asp Pro
 65 70 75 80
 Arg Thr Pro Ser Asp His Tyr Asn Trp Gln Ala Thr Leu Gln Asn Glu
 85 90 95
 Ser Gly Lys Glu Val Thr Val Ala Val Thr Ser Ser Pro Asn Ala Ile
 100 105 110
 Leu Gly Lys Tyr Gln Leu Asn Val Lys Thr Gly Asn His Ile Leu Lys
 115 120 125
 Ser Glu Glu Asn Ile Leu Tyr Leu Leu Phe Asn Pro Trp Cys Lys Glu
 130 135 140
 Asp Met Val Phe Met Pro Asp Glu Asp Glu Arg Lys Glu Tyr Ile Leu
 145 150 155 160
 Asn Asp Thr Gly Cys His Tyr Val Gly Ala Ala Arg Ser Ile Lys Cys
 165 170 175
 Lys Pro Trp Asn Phe Gly Gln Phe Gln Lys Asn Val Leu Asp Cys Cys
 180 185 190
 Ile Ser Leu Leu Thr Glu Ser Ser Leu Lys Pro Thr Asp Arg Arg Asp
 195 200 205
 Pro Val Leu Val Cys Arg Ala Met Cys Ala Met Met Ser Phe Glu Lys
 210 215 220
 Gly Gln Gly Val Leu Ile Gly Asn Trp Thr Gly Asp Tyr Glu Gly Gly
 225 230 235 240
 Thr Ala Pro Tyr Lys Trp Thr Gly Ser Ala Pro Ile Leu Gln Gln Tyr
 245 250 255
 Tyr Asn Thr Lys Gln Ala Val Cys Phe Gly Gln Cys Trp Val Phe Ala
 260 265 270
 Gly Ile Leu Thr Thr Val Leu Arg Ala Leu Gly Ile Pro Ala Arg Ser
 275 280 285
 Val Thr Gly Phe Asp Ser Ala His Asp Thr Glu Arg Asn Leu Thr Val
 290 295 300
 Asp Thr Tyr Val Asn Glu Asn Gly Glu Lys Ile Thr Ser Met Thr His
 305 310 315 320
 Asp Ser Val Trp Asn Phe His Val Trp Thr Asp Ala Trp Met Lys Arg
 325 330 335
 Pro Tyr Asp Gly Trp Gln Ala Val Asp Ala Thr Pro Gln Glu Arg Ser
 340 345 350
 Gln Gly Val Phe Cys Cys Gly Pro Ser Pro Leu Thr Ala Ile Arg Lys
 355 360 365
 Gly Asp Ile Phe Ile Val Tyr Asp Thr Arg Phe Val Phe Ser Glu Val
 370 375 380

288

Asn Gly Asp Arg Leu Ile Trp Leu Val Lys Met Val Asn Gly Gln Glu
 385 390 395 400
 Glu Leu His Val Ile Ser Met Glu Thr Thr Ser Ile Gly Lys Asn Ile
 405 410 415
 Ser Thr Lys Ala Val Gly Gln Asp Arg Arg Arg Asp Ile Thr Tyr Glu
 420 425 430
 Tyr Lys Tyr Pro Glu Gly Ser Ser Glu Glu Arg Gln Val Met Asp His
 435 440 445
 Ala Phe Leu Leu Leu Ser Ser Glu Arg Glu His Arg Gln Pro Val Lys
 450 455 460
 Glu Asn Phe Leu His Met Ser Val Gln Ser Asp Asp Val Leu Leu Gly
 465 470 475 480
 Asn Ser Val Asn Phe Thr Val Ile Leu Lys Arg Lys Thr Ala Ala Leu
 485 490 495
 Gln Asn Val Asn Ile Leu Gly Ser Phe Glu Leu Gln Leu Tyr Thr Gly
 500 505 510
 Lys Lys Met Ala Lys Leu Cys Asp Leu Asn Lys Thr Ser Gln Ile Gln
 515 520 525
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